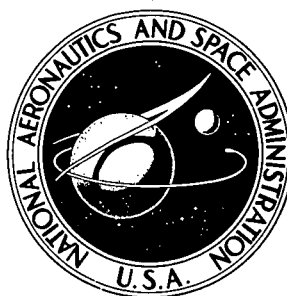


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RESULTS OF THE NOISE MEASUREMENT PROGRAM ON A STANDARD AND MODIFIED OH-6A HELICOPTER



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16. Abstract <p>A field noise measurement program has been conducted on a standard OH-6A helicopter and one that had been modified by reducing the rotor speed, altering rotor tip shape, and treating the engine exhaust and inlet to reduce the external noise levels. The modifications consisted of extensive aircraft design changes resulting in substantial noise reductions following state-of-the-art noise reduction techniques. The purpose of this study was to document the ground noise characteristics of each helicopter during flyover, hover, landing, and take-off operations.</p> <p>Based on an analysis of the measured results, the average of the overall on-track noise levels of the final modified helicopter was approximately 14 dB lower than that for the standard helicopter. Narrow-band-spectra data of the hovering helicopter show a reduction in the overall noise due to the reductions achieved for the lifting main and anti-torque tail rotor, engine exhaust, and gear box noise for the modified helicopter. The noise results of the test program are found to correlate generally with noise measurements made previously on this type of aircraft.</p>					
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RESULTS OF THE NOISE MEASUREMENT PROGRAM ON A STANDARD AND MODIFIED OH-6A HELICOPTER

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SUMMARY

A field noise measurement program has been conducted on a standard OH-6A helicopter and two OH-6A helicopters that had been modified especially to reduce the external noise levels. Modifications to the first aircraft were limited to those which could easily be made to a standard helicopter; consequently, only modest noise reductions were expected. Extensive modifications were made to the second aircraft incorporating state-of-the-art noise reduction techniques; as a result appreciable noise level reductions were achieved. The purpose of this study was to document the ground noise characteristics of each helicopter during flyover, hover, landing, and take-off operations.

Based on an analysis of the measured results in forward flight from the extensively modified OH-6A helicopter, the averages of the overall on-track noise levels were approximately 14 dB lower than those associated with the standard OH-6A helicopter. Narrow-band spectra data of the hovering helicopter indicate that the main noise sources are associated with the harmonics of the tail rotor. Modifications to the tail-rotor system considerably reduced this harmonic content and, as a result, virtually eliminated the tail rotor as the major noise producer on the helicopter.

INTRODUCTION

The high noise level of the present-day helicopter reduces its usefulness and effectiveness. A reduction in the external noise level would greatly enhance the tactical usefulness of the helicopter for military operation and its public acceptance for commercial use. Until recently, very little effort has been expended to reduce the noise level of helicopters since noise reduction has been synonymous with performance degradation. However, some information on helicopter external noise has been accumulated. (See refs. 1 to 3.) These studies were both theoretical and experimental and sought to identify and determine the number of mechanisms by which helicopter noise is generated, propagated, and received, and to find means to reduce it.

The present work forms a part of the Quiet Helicopter Program and was a joint project with the U.S. Army Air Mobility Research and Development Laboratory, Advanced Research Projects Agency, and the NASA Langley Research Center. During this program, experimental information relating to reducing helicopter external noise has been accumulated utilizing the Sikorsky SH-3A, Kaman HH-43B, and the Hughes OH-6A helicopters. (See refs. 4 to 8.) The objective of the Army program was to reduce the noise signature of various helicopters and provide and measure the quietest operation irrespective of performance penalties.

The purpose of this report is to document the field-noise measurements made during flyover, hover, landing, and take-off operations on a standard OH-6A helicopter and two OH-6A helicopters that had been modified especially to reduce their external noise levels. The noise-measurement tests were conducted in two different time periods. Five different configurations of an OH-6A helicopter were flown to measure their noise signatures; these are identified as configurations A to E as listed in table I. Configurations A, B, and C were tested during October and November 1969 to study limited noise reduction approaches. Configurations D and E were tested during March 1971 in hover and flyover operations to evaluate major noise reduction efforts that required extensive aircraft design changes.

APPARATUS AND METHODS

Test Helicopters

Standard aircraft.- Figure 1 is a photograph of the standard OH-6A (configuration A) helicopter and table II presents a list of principal aircraft dimensions. A three-view drawing of the standard helicopter (configuration A) is shown in figure 2. The standard OH-6A helicopter (configuration A) has a four-blade lifting main rotor powered by an Allison T-63-A-5A turbine engine. The engine drives the main and tail rotors through a two-stage speed reduction transmission. A vertical and canted stabilizer is mounted next to the tail rotor. The landing gear is the shock-absorbing skid type. Normal operating weight during the noise tests was approximately 658 kg, which corresponds to a rotor hovering mean lift coefficient of 0.30 at sea level and 100 percent rotor speed. Additional information regarding this aircraft is contained in reference 5.

Modified aircraft.- The modifications to the OH-6A helicopter (configurations B and C) are shown in figures 3(a) and 3(b). These changes consisted of a reduction of main-rotor speed from 484 rpm to 328 rpm and tail-rotor speed from 3120 rpm to 1630 rpm. These speed reductions were obtained through the use of a modified turbine speed governor which operated in a range from 65 to 85 percent. Two tail-rotor configurations were employed; a two-blade tail rotor with a blade chord of 0.24 meter, and a four-blade tail

rotor with a blade chord of 0.12 meter and blades set at relative azimuth angles of $60^{\circ}/120^{\circ}$. The same helicopter (airframe) was utilized for both modifications which were of a type easily made to the existing standard helicopter. Details are more fully described in reference 7.

More extensive modifications were made during the 1971 test period. These extensive modifications consisted of a five-blade main rotor and special trapezoidal blade tip caps. (See fig. 4(a).) Further reduction of main-rotor speed was obtained by manual control of the turbine speed governor to 67 percent or 314 rpm, a four-blade tail rotor with blades set at relative azimuth angles of $75^{\circ}/105^{\circ}$, tail-rotor speed reduced to 1272 rpm (at 67 percent rotational main-rotor speed), installation of an engine exhaust noise suppressor, modified low noise main-rotor gears, addition of damping material to shafts and gearing, and acoustic blanket material applied to transmission and engine configurations. Figure 4(b) shows the highly modified helicopter. These modifications required considerable change to the basic airframe and resulted in changes in performance as expected. They are more fully described in reference 6.

Test Site

Figure 5 indicates the locations of the acoustic range test areas in relation to the overall runway at NASA Wallops Station. Three recording stations having three microphones each and one recording station having four microphones were utilized to obtain the measurements. The 1969 and 1971 tests were performed, as is indicated in figure 5, at the end of runway 4-22 and 10-28, respectively. Figure 6 shows the terrain features of this test area looking north from the end of runway 4-22. Figure 7 indicates the terrain, flight path, and microphone array looking east from the end of runway 10-28. Figure 8 is a schematic diagram showing the locations of the microphones relative to the ground track and to ground zero for both test locations.

Noise Measurement Equipment

Three mobile data acquisition vans each containing three microphones and one mobile data acquisition van containing four microphones, signal conditioning equipment, and tape recorder were used in the noise measurement program. A schematic diagram of the noise data acquisition system is shown in figure 9. During the entire test program the microphones were fitted with wind screens and were positioned 1.5 meters above ground surface and were oriented for grazing incidence. The microphones are commercially available piezo-electric ceramic-type microphones having a frequency response flat to within ± 3 dB over the frequency range of 20 Hz to 12000 Hz. The signal outputs from all microphones at each of the four mobile data acquisition stations were recorded on multichannel frequency-modulated magnetic tape recorders at 76.2 cm/sec using a

center frequency of 54 kHz. The frequency response of the complete recording system was flat to within ± 3 dB from 20 Hz to 12 000 Hz. All measurements were made in accordance with the recommendations of reference 9.

The entire sound measurement system was calibrated in the field prior to and after each day's testing by means of conventional discrete frequency calibrators using a 1 kHz sine-wave signal at a sound pressure level of 114 dB. Real-time correlation between all microphone positions was recorded on magnetic tape by use of a standard IRIGB time code format. Data records were played back from the original magnetic tapes in the form of sound pressure level time histories and spectra data. All noise level data are presented with a reference value of $20 \mu\text{N}/\text{m}^2$ and have not been corrected for slant-range distance or atmospheric effects.

Atmospheric Conditions

The U.S. Weather Bureau support facility at Wallops Station recorded both surface and upper air soundings during the 1969 time period along with surface conditions during the 1971 time period. The various parameters are listed in tables III and IV, respectively. Surface observations of temperature, humidity, wind velocity, and wind direction were made at a location approximately 305 meters from the center of the test area as indicated in figure 5.

Atmospheric soundings were obtained from ground level up to about 305 meters mean sea level by means of a constant-rate-of-ascent balloon ascending at approximately 5.8 m/sec and a double-optical theodolite tracking system. In order to insure valid results, noise measurements were made only when the weather was generally clear with low surface winds (10 knots or less) as recommended in reference 9.

Helicopter Operations

Noise measurements were taken on both the standard and modified helicopters during flyover, hover, and simulated landing and take-off conditions. Tables V and VI indicate the nominal flight conditions of altitude, airspeed, main-rotor speed, torque, and gross weights for the standard and modified helicopters (configurations A to E). For all flight conditions, aircraft-position information was provided by a GSN-5 precision radar unit located adjacent to runways 4-22 and 10-28. Other aircraft positions over the array are referenced to the overhead time when the aircraft speed is known. The altitudes and slant range distances at each of the noise measuring positions are given in tables VII to IX for the standard and modified helicopters (configurations A to E). The slant range distance in tables VII to IX is the distance from the helicopter to the noise measurement position at the nearest passage of the helicopter. Figure 10 is a schematic diagram of

the geometric relationship between the helicopter height and the microphone position used during the test.

Flyover noise survey.- The constant-altitude flyover noise measurements conducted during 1969 and 1971 were obtained from the microphone array shown in figure 8, which was located along runways 4-22 and 10-28. During 1969 the helicopters were flown at nominal altitudes of 30 and 61 meters at airspeeds of 40, 60, and 85 knots over runway 4-22. During 1971 the helicopters were flown at an altitude of 30 meters at airspeeds of 40, 55, 60, 70, and 120 knots along runway 10-28 as shown in figure 7. Generally, five flights were made at each combination of altitude and airspeed. The helicopter flight path and constant power conditions were maintained for approximately 1600 meters prior to and beyond the microphone array.

Hovering noise survey.- During 1969 the hovering tests were made in and out of ground effect at nominal altitudes of 1.8, 15.2, 61, and 152 meters. During 1971 the hovering tests were made in ground effect at an altitude of 1.8 meters. The noise surveys were made with the helicopter hovering directly above the ground zero point as shown in figure 8. These data were measured at a distance of 61 meters directly in front of the helicopter. The pilot was provided horizontal and vertical displacement information from the GSN-5 radar tracking system located adjacent to runways 4-22 and 10-28.

Landing and take-off noise survey.- During 1969 the landing-approach, take-off, and climbout operations (see fig. 8) were conducted concurrently along runway 4-22. The landing-approach operations were initiated at 61 meters and at an airspeed of 50 knots with rates of descent of approximately 3 m/sec. The airspeed was gradually decreased throughout the approach until a flare was made to hover about 3 meters above the ground-zero point. At this point the take-off and climbout operations were initiated, wherein altitude and airspeed were increased simultaneously until the helicopter reached an altitude of 121 meters and an airspeed of 50 knots. Five simulated landings and take-offs were accomplished.

RESULTS AND DISCUSSION

The noise measurements obtained from this investigation are presented in tables X to XIX. The results discussed in the following sections consist of flyover noise time histories and one-third-octave band spectra for the standard and modified helicopter, narrow-band data, and overall sound pressure levels under hover conditions, and overall noise levels during take-off and landing operations. The more significant results from representative data are presented in the following figures and discussed in the paper.

Tables X to XIV contain overall sound pressure levels. Tables XV to XIX contain one-third-octave-band noise levels for specific microphone positions under the flight track and lateral to the flight track for helicopter configurations A to E.

The noise data contained in the tables or figures have not been corrected for distance differences or standard atmospheric conditions. Where there are no entries in the tables, either the data do not exist or could not be properly interpreted.

Figure 11 is a spectrum of the ambient noise in the test area. The hatched lines represent the range of ambient noise levels existing during the test period. It will be noted that most of the noise energy is contained in the low-frequency bands; the overall (OA) ambient level is approximately 55 dB.

Flyover Tests

On-track measurements.- Figure 12 is a sample time-history plot of the overall sound pressure levels associated with the standard and modified helicopters during a flyover at 40 knots and an altitude of 30 meters. The data as shown were measured at microphone position 1. For both helicopters the sound pressure level increases as the helicopter approaches, reaches a maximum as the helicopter passes overhead, and decreases as the helicopter passes beyond the measuring position. It should be noted that the four time histories have generally the same shape. The peak noise level associated with the configuration B helicopter (four-blade tail rotor) is approximately 9 dB lower than that for the standard helicopter (configuration D) whereas the more extensively modified helicopter (configuration E) shows approximately a 10-dB reduction. During the approach phase, the sound pressure level for the modified helicopter (configuration E) rises much more rapidly than does the standard helicopter (configuration D) and thus it is indicated that the modified aircraft is not detected as readily when approaching the observer. The effect of tail-rotor configuration can also be seen in this figure. The four-blade tail rotor (configuration B) shows a noise reduction at the peak of approximately 3 dB over the wide chord two-blade tail rotor (configuration C).

The average on-track overall noise levels presented in tables XI and XIII show that the level for the final modified helicopter (configuration E) is approximately 14 dB lower than that for the standard helicopter, these differences being observed between the two helicopters in forward flight at the overhead position while flying at an altitude of 30 meters and an airspeed of 70 knots. The standard helicopter was operating in its normal mode (see table II) while the modified helicopter was operating in its quietest mode at 67 percent rotor speed, and at a gross weight of 726 kg.

In addition to data presented in figure 12, figures 13(a) and 13(b) contain the time histories from four and five flights, respectively, as measured at microphone position 1

for both the modified and standard helicopters. These data show that the flyover time histories are reasonably consistent between flights.

A comparison of the spectral content of the noise from the standard and fully modified helicopters is presented in figure 14. The spectral content from the other modifications did not change significantly from that shown in figure 14. Shown in the figure is a comparison of the noise levels for each octave band for on-track flyover data at 40 knots and at an altitude of 30 meters for both the standard and fully modified aircraft at the overhead position. The symbols represent the average value from five flights at microphone position 1, and the vertical bars represent the highest and lowest noise levels encountered. Although the shapes of the curves are generally the same, the data associated with the modified helicopter are lower in most of the bands than those for the standard helicopter.

Careful examination of the flyover noise data indicated the presence of tail rotor noise modulated at blade passage frequency of 1 per revolution or 5 per revolution. These data were observed in both narrow-band spectra and sound pressure time histories. The occurrence of this modulation was random in nature. The tail-rotor modulation has been seen in other helicopters and appears to be the result of the aerodynamic interaction of the main rotor and the tail rotor in forward flight and in hover close to the ground.

Lateral measurements. - During the tests of the three aircraft, noise measurements were made with the microphones located in an array perpendicular to the flight track as shown in figure 8. Overall sound pressure levels from these microphones are presented in figure 15 for an altitude of 30 meters during a 40- and 70-knot flyover of both helicopters. The symbols at the zero position represent data from five flights and six on-track microphone positions whereas the symbols at each of the other positions represent the data from five flights but only one microphone position. The vertical bars represent the scatter in the peak levels at each microphone position.

For both the standard and modified helicopters, the peak overall sound pressure level generally decreases as the lateral distance from the flight track center line increases. In general, the levels for the final modified helicopter are lower than those for the standard helicopter at both altitudes.

Hover Tests

Narrow-band frequency analyses (4-Hz bandwidth) of the noise from both the standard and modified helicopters were made from data taken while the helicopters were hovering at a wheel height of 1.8 meters. These data were measured at a distance of 61 meters directly in front of the helicopter. The data of figure 16 relate to the standard helicopter (configuration D) operating at a gross weight of 726 kg and 100 percent rotor

speed. The data of figures 17 and 18 relate to the two and four-blade tail rotor helicopter (configurations C and B) at a gross weight of 658 kg and 70 percent rotor speed. The data of figure 19 relate to the final modified helicopter (configuration E) operating at a gross weight of 726 kg and 67 percent rotor speed.

In figure 16 there are a number of peaks, most of which are identifiable as rotor harmonics, which control the vehicle overall noise level. In figures 17 and 18 the harmonic content of the 1969 modification has been considerably reduced. The peak at approximately 1050 Hz is from the first-stage reduction drive system; however, it is obvious that the main sources of noise are associated with the harmonics of the tail rotor system and these harmonics are controlling the overall noise level. Comparison of the data of figure 16 with that of figure 19 indicates that the main-rotor and tail-rotor harmonics have been completely eliminated except for the tenth main-rotor blade passage frequency (approximately 52 Hz) for the 1971 modified helicopter; thereby the overall noise level is reduced directly in front of the aircraft. Further examination of the data shows a predominant peak at a frequency of approximately 620 Hz which is thought to be generated by a resonant condition in the exhaust muffler; however, the noise from both the main and tail rotors still are the major noise sources for this helicopter.

A comparison of figures 20 and 21 for the 1969 standard and modified helicopters (configurations A and B, respectively) indicates that the overall noise levels have been significantly reduced along the axis of the modified helicopter. The 75-dB noise level contour has been reduced approximately 110 meters along this axis. Noise level reductions along the lateral axis at the 75-dB contour level are approximately 100 meters on the right-hand side of the helicopter and 70 meters on the left-hand side of the helicopter. These data are plotted for the hover condition at an altitude of 15 meters.

The sound pressure level contours are determined from time-synchronized sound pressure level time histories. In general, the modified helicopter has a smaller "foot-print" than the standard helicopter and a slightly different shape.

Landing and Take-Off Tests

A series of flights were performed with the test helicopters to determine the overall sound pressure levels occurring during an approach to a landing and a climbout from a hover. Shown in figure 22 is a comparison of flight trajectories for the landing-approach operation (microphone positions 7, 8, and 9) and the take-off and climbout from a hover (microphone positions 1, 2, and 3). Figure 23 shows the resulting maximum sound pressure levels for the landing-approach and climbout conditions for all on-track microphone positions for both the standard and modified helicopter (configurations A and B, respectively). Noise levels increase for both helicopters as the aircraft flares to land, indicated

by position 7 in figure 23. During take-off and landing operations, however, the noise levels associated with the modified helicopter are lower than those of the standard helicopter.

CONCLUDING REMARKS

A field noise measurement program has been conducted on a standard OH-6A helicopter and two OH-6A helicopters modified to reduce the external noise levels. The purpose of this study was to document the noise characteristics of each helicopter during flyover, hover, landing, and take-off operations. The 1969 modifications were limited to those which could easily be made to a standard helicopter. The 1971 modifications consisted of extensive modifications of an OH-6A helicopter to have low external noise characteristics.

Based on the analysis of the measured results, the average noise levels associated with the final modified helicopter (configuration E) are 14 dB lower than the standard helicopter (configuration D) while operating at an altitude of 30 meters with an airspeed of 70 knots in level flight.

Narrow-band spectra data of the hovering helicopters show that there was a general reduction of harmonic content with the modified aircraft. Noise reductions at frequencies below 80 Hz are associated with main rotor modifications, those between 80 Hz and 630 Hz with tail rotor modifications, and those above about 630 Hz with engine and gearing modifications.

Langley Research Center,
National Aeronautics and Space Administration,
Hampton, Va., February 9, 1973.

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TABLE I.- SUMMARY OF HELICOPTER MODIFICATIONS

(a) 1969 modifications

Configuration	Modifications
A	Standard OH-6A helicopter at 658 kg gross weight
B	*Four-blade tail rotor (Chord = 0.122 m) with blade phasing of 60°/120° Main-rotor speed reduced from 484 rpm to 328 rpm New tail-rotor gear box; tail-rotor speed reduced from 3120 rpm to 1630 rpm Power turbine governor was employed to allow engine governing at reduced speeds
C	*Two-blade tail rotor (Wide chord = 0.244 m) Main-rotor speed reduced from 484 rpm to 328 rpm New tail-rotor gear box; tail-rotor speed reduced from 3120 rpm to 1630 rpm Power turbine governor was employed to allow engine governing at reduced speeds

(b) 1971 modifications

Configuration	Modifications
D	Standard OH-6A helicopter at 726 kg gross weight
E	A five-blade main rotor Trapezoidal blade tip cap attached to each main-rotor blade Main-rotor speed was reduced from 468 rpm to 314 rpm Four-blade tail rotor (Chord = 0.122 m) with blade phasing of 75°/105° Tail rotor speed reduced from 3120 rpm to 1272 rpm by using a new tail-rotor gear box A noise suppressor for engine exhaust Modified gearing for main-rotor gear box Damping material added to some of the shafting and gearing Acoustic blanket material applied to transmission and engine compartment

*The same helicopter (airframe) was employed for both the wide-chord tail rotor and four-blade tail rotor modification.

TABLE II.- PHYSICAL CHARACTERISTICS OF THE
STANDARD OH-6A HELICOPTER

Main rotor:

Diameter, m	8.03
Number of blades	4
Blade chord, m	0.172
Airfoil section	NACA 0015
Twist, deg	-7°30'
Blade area, m ²	2.75
Disk area, m ²	50.6
Solidity	0.0543
Tip speed, m/sec	203
Design operating speed, rpm	470

Tail rotor:

Diameter, m	1.295
Number of blades	2
Blade chord, m	0.122
Blade area, m ²	0.18
Tip speed, m/sec	212
Design operating speed, rpm	3120

General:

Normal gross weight, kg	954
Empty weight, kg	537
Overall length (nose to tip of vertical stabilizer), m	7
Maximum continuous power (Allison T-63-A-5A), kW	0.201
Maximum indicated level airspeed at 1089 kg gross weight, knots	124

Gear ratios:

Engine output to tail rotor	2:1
Engine output shaft to main rotor	12.8:1

TABLE III. - SUMMARY OF SURFACE AND UPPER AIR WEATHER MEASUREMENTS
DURING 1969 TEST PERIOD

Date	Time, e.s.t.	Altitude, m	Temperature, K	Relative humidity, percent	Wind direction, deg	Wind velocity, knots	Date	Time, e.s.t.	Altitude, m	Temperature, K	Relative humidity, percent	Wind direction, deg	Wind velocity, knots
10-24-69	6:40:00 a.m.	Surface	302.2	45	345	4.0	11-8-69	6:35:00 a.m.	Surface	275.6	98	280	4.0
	6:40:15 a.m.	108	----	47	332	15.5		6:35:15 a.m.	93	279.4	--	279	7.5
	6:40:30 a.m.	179	----	45	007	16.1		6:35:30 a.m.	192	279.1	--	319	4.7
	6:40:45 a.m.	301	----	45	029	17.0		6:35:45 a.m.	287	278.4	--	334	2.7
	6:50:00 a.m.	379	----	39	019	17.8		6:36:00 a.m.	382	277.5	--	287	4.0
	7:08:00 a.m.	Surface	272.6	64	335	6.0		7:00:00 a.m.	Surface	276.5	47	0	0
	7:08:15 a.m.	91	273.1	--	346	12.1		7:00:15 a.m.	93	----	79	290	4.9
	7:08:30 a.m.	184	274.1	--	005	17.8		7:00:30 a.m.	188	----	81	331	4.4
	7:08:45 a.m.	277	273.6	--	013	17.5		7:00:45 a.m.	285	----	81	326	3.1
	7:09:00 a.m.	377	272.9	--	018	16.6		7:01:00 a.m.	377	----	81	290	2.3
	7:30:00 a.m.	Surface	273.4	23	355	5.0		7:30:00 a.m.	Surface	276.9	98	0	0
	7:30:15 a.m.	85	----	38	351	11.8		7:30:15 a.m.	90	280.4	--	222	2.4
	7:30:30 a.m.	168	----	38	009	16.9		7:30:30 a.m.	178	279.9	--	179	1.7
	7:30:45 a.m.	261	----	38	016	18.1		7:30:45 a.m.	266	279.8	--	217	2.1
	7:31:00 a.m.	338	----	40	024	16.2		7:31:00 a.m.	346	278.6	--	246	3.2
	8:00:00 a.m.	Surface	275.3	56	000	5.0		8:00:00 a.m.	Surface	279.0	57	295	4.0
	8:00:15 a.m.	98	274.8	--	356	12.9		8:00:00 a.m.	94	----	65	253	4.1
	8:00:30 a.m.	184	274.9	--	008	10.1		8:00:30 a.m.	194	----	69	261	3.8
	8:00:45 a.m.	276	274.4	--	023	12.2		8:00:45 a.m.	285	----	72	252	3.8
	8:01:00 a.m.	370	273.8	--	028	17.6		8:01:00 a.m.	383	----	71	263	4.2
	8:30:00 a.m.	Surface	275.6	35	005	3.0		8:30:00 a.m.	Surface	280.6	98	315	2.0
	8:30:15 a.m.	82	----	35	358	11.0		8:30:15 a.m.	91	279.6	--	283	6.4
	8:30:30 a.m.	153	----	36	014	9.4		8:30:30 a.m.	179	278.9	--	302	5.7
	8:30:45 a.m.	232	----	36	025	10.6		8:30:45 a.m.	278	278.5	--	296	5.2
	8:31:00 a.m.	296	----	35	030	10.6		8:31:00 a.m.	369	277.9	--	291	6.2
	10:00:00 a.m.	Surface	280.6	43	060	6.5		9:00:00 a.m.	Surface	280.9	64	0	0
	10:00:15 a.m.	93	278.5	--	096	3.2		9:00:15 a.m.	96	----	70	242	3.2
	10:00:30 a.m.	198	277.6	--	039	5.3		9:00:30 a.m.	190	----	70	304	2.1
	10:00:45 a.m.	307	276.1	--	029	14.6		9:00:45 a.m.	280	----	71	275	3.0
	10:01:00 a.m.	412	275.3	--	021	5.7		9:01:00 a.m.	376	----	72	262	4.2
10-31-69	6:35:00 a.m.	Surface	281.8	82	030	6.0	11-13-69	6:35:00 a.m.	Surface	276.9	91	320	2.5
	6:35:15 a.m.	88	284.4	92	069	9.1		6:35:15 a.m.	95	277.4	--	310	16.1
	6:35:30 a.m.	178	284.4	85	067	15.6		6:35:30 a.m.	179	278.1	--	327	16.9
	6:35:45 a.m.	256	284.0	82	071	13.7		6:35:45 a.m.	275	278.1	--	325	20.8
	6:36:00 a.m.	336	283.3	80	084	10.2		6:36:00 a.m.	361	277.6	--	323	43.2
	7:05:00 a.m.	Surface	283.1	97	030	5.0		7:35:00 a.m.	Surface	278.8	82	350	4.0
	7:05:15 a.m.	87	----	--	053	10.6		7:35:15 a.m.	94	278.8	--	318	14.6
	7:05:30 a.m.	167	----	--	060	17.9		7:35:30 a.m.	198	279.4	--	333	22.7
	7:05:45 a.m.	251	----	--	067	20.7		7:35:45 a.m.	285	278.8	--	336	20.4
	7:06:00 a.m.	338	----	--	075	13.9		7:36:00 a.m.	386	278.0	--	336	16.2
	7:32:00 a.m.	Surface	----	68	025	5.0							
	7:32:15 a.m.	80	----	79	054	8.0							
	7:32:30 a.m.	168	----	77	063	13.7							
	7:32:45 a.m.	258	----	77	062	17.6							
	7:33:00 a.m.	346	----	76	073	15.2							
	8:03:00 a.m.	Surface	285.3	90	040	6.5							
	8:03:15 a.m.	74	286.4	--	053	9.9							
	8:03:30 a.m.	142	287.1	--	064	15.1							
	8:03:45 a.m.	220	286.8	--	068	15.5							
	8:04:00 a.m.	296	286.1	--	076	15.9							
	8:30:00 a.m.	Surface	285.9	60	055	10.0							
	8:30:15 a.m.	77	----	63	059	9.9							
	8:30:30 a.m.	151	----	60	064	13.6							
	8:30:45 a.m.	237	----	67	067	17.5							
	8:31:00 a.m.	308	----	67	074	16.3							
	8:55:00 a.m.	Surface	288.9	87	065	12.0							
	8:55:15 a.m.	89	288.0	--	065	12.1							
	8:55:30 a.m.	166	287.8	--	064	16.6							
	8:55:45 a.m.	267	286.9	--	064	16.5							
	8:56:00 a.m.	345	286.6	--	073	15.5							

TABLE IV.- SUMMARY OF SURFACE WEATHER CONDITIONS DURING 1971 TEST PERIOD

Date	Time, e.s.t.	Temperature, K	Relative humidity, percent	Wind direction, deg	Wind velocity, knots	Date	Time, e.s.t.	Temperature, K	Relative humidity, percent	Wind direction, deg	Wind velocity, knots
3-1-71	7:00 a.m.	281.5	31.5	050	6	3-12-71	6:00 a.m.	275.4	25.0	040	4
	8:00 a.m.	282.0	32	055	7		7:00 a.m.	275.4	27.5	015	1
	9:00 a.m.	283.1	29.5	055	8		8:00 a.m.	276.5	27.5	035	5
	12:00 m.	285.9	22.0	060	9		9:00 a.m.	277.6	30	020	4
	1:00 p.m.	284.3	23.5	050	10		10:00 a.m.	279.3	31	060	4
	2:00 p.m.	284.8	22.0	075	8		11:00 a.m.	279.8	34.5	110	8
	3:00 p.m.	284.8	23.5	080	8		12:00 m.	280.9	36.5	120	1
	4:00 p.m.	283.7	24	012	6	3-13-71	6:00 a.m.	279.8	39	245	5
	5:00 p.m.	282.6	25.3	110	4		7:00 a.m.	278.7	40	225	2
	6:00 p.m.	280.4	26.0	080	2		8:00 a.m.	282.0	42	180	1
3-6-71	6:00 a.m.	----	---	220	6		9:00 a.m.	285.4	44	180	1
	7:00 a.m.	----	---	200	8		10:00 a.m.	288.1	42.5	280	1
	8:00 a.m.	----	---	200	4		11:00 a.m.	288.1	43	265	6
	9:00 a.m.	----	---	235	8		12:00 m.	289.8	45.5	310	3
	10:00 a.m.	----	---	245	9	3-16-71	6:00 a.m.	----	---	205	8
3-10-71	5:00 a.m.	----	---	200	5		7:00 a.m.	----	---	200	4
	6:00 a.m.	272.0	16	070	1		8:00 a.m.	----	---	200	6
	7:00 a.m.	273.1	20	100	1		9:00 a.m.	----	---	360	---
	8:00 a.m.	275.9	26	070	3		10:00 a.m.	----	---	---	---
	9:00 a.m.	277.6	23	105	6		11:00 a.m.	290.9	43	350	8
	10:00 a.m.	278.7	26	135	10		12:00 m.	288.7	43	355	7
	11:00 a.m.	280.4	28	110	10						
	12:00 m.	280.1	31.5	100	8						

TABLE V.- SUMMARY OF NOMINAL OPERATING CONDITIONS FOR
BOTH STATIC AND FLYOVER NOISE MEASUREMENTS

Flight condition	Date	Flight	Indicated airspeed, knots	Altitude above ground, meters	Main rotor, rpm	Nominal torque, N/m ²	Take-off gross weight, kg
OH-6A standard helicopter; configuration A							
Level flyover	10-24-69	1-5	40	61	484	179 264	658
		1-5	60	61	484	179 264	658
		1-5	85	61	484	220 632	658
	11-8-69	1-5	40	30	469	172 369	658
		1-5	60	30	469	172 369	658
		1-5	85	30	469	227 527	658
Hover	11-8-69	1	0	1.8	484	248 211	658
		2	0	15.2	484	262 001	658
		3	0	61	484	262 001	658
		4	0	152	484	262 001	658
Take-off	11-8-69	1-5	†	†			662
Landing	11-8-69	1-5	‡	‡			662
OH-6A modified helicopter; configuration B; four-blade tail rotor							
Level flyover	10-31-69	1-5	40	61	328	158 579	658
		1-5	60	61	328	172 369	658
		1-5	85	61	328	255 106	658
		1-5	40	30	328	151 685	658
	11-8-69	1-5	60	30	328	179 264	658
		1-5	85	30	328	262 001	658
Hover	11-8-69	1	0	1.8	328	275 790	658
		2	0	15.2	328	310 264	658
		3	0	61	328	310 264	658
		4	0	152	328	310 264	658
Take-off	11-8-69	1-5	†	†			662
Landing	11-8-69	1-5	‡	‡			662
OH-6A modified helicopter; configuration C; two-blade wide-chord tail rotor							
Level flyover	10-24-69	1-5	40	61	328	158 579	658
		1-5	60	61	332	172 369	658
		1-5	85	61	332	255 106	658
	11-8-69	1-5	40	30	328	172 369	658
		1-5	60	30	328	193 053	658
		1-5	85	30	328	262 001	658
Hover	11-13-69	1	0	1.8	328	275 790	658
		2	0	15.2	328	310 264	658
		3	0	61	328	310 264	658
		4	0	152	328	310 264	658
Take-off	11-13-69	1-5	†	†			662
Landing	11-13-69	1-5	‡	‡			662

† Transition to forward flight - Increase altitude and airspeed simultaneously until 122 meters and 50 knots, respectively, are reached.

‡ Transition to hover - Starting from approximately 61 meters altitude and 50 knots airspeed, set up a rate of descent of approximately 183 m/min; decrease airspeed gradually throughout approach to a 1.8 meter hover.

**TABLE VI.- SUMMARY OF PHASE II NOMINAL OPERATING CONDITIONS
FOR HOVER AND FLYOVER MEASUREMENTS**

Flight condition	Date	Flight	Indicated airspeed, knots	Altitude above ground, meters	Main rotor, rpm	Nominal torque, N/m ²	Take-off gross weight, kg
OH-6A standard helicopter; configuration D							
Level flyover	3-1-71	1-6	40	30	468	255 106	1094
		1-5	55	30	468	241 316	1094
		1-5	70	30	468	255 106	1094
		1-5	120	30	468	427 475	1094
	3-10-71	1-5	70	30	468	206 843	729
	3-12-71	1	40	30	468	179 264	729
		1-5	60	30	468	172 369	661
		1-3	70	30	468	227 527	912
	3-13-71	1-5	40	30	468	179 264	729
		1-5	70	30	468	220 632	912
		1-5	70	30	468	248 211	1094
	Hover	3-1-71	1	0	1.8	468	268 896
1			0	1.8	468	255 106	698
1			0	1.8	468	262 001	694
1			0	1.8	468	262 001	692
1			0	1.8	468	358 527	916
1-2			0	1.8	468	361 975	907
1-2			0	1.8	468	361 975	900
1			0	1.8	468	351 633	895
1-2			0	1.8	468	434 370	1090
1-2			0	1.8	468	437 817	1083
1-3			0	1.8	468	430 922	1066
1			0	1.8	468	420 580	1057
OH-6A modified helicopter; configuration E							
Level flyover	3-6-71	1-5	70	30	314	220 632	726
	3-10-71	1-4	40	30	314	165 474	726
		1-6	70	30	314	213 737	726
	3-12-71	1-7	70	30	328	248 211	907
		1-5	70	30	365	275 790	1098
		1-6	70	30	468	262 001	1098
		1-11	120	30	468	427 475	1098
	3-13-71	1-5	40	30	314	165 474	752
		1-5	70	30	314	213 737	752
	Hover	3-1-71	1	0	1.8	328	455 054
1			0	1.8	328	455 054	907
1-2			0	1.8	468	444 712	1089
1-3			0	1.8	468	444 712	1089
1-2			0	1.8	468	444 712	1089
1-2			0	1.8	468	444 712	1035
3-16-71		1-5	0	1.8	314	324 054	726
		1-2	0	1.8	365	489 528	1089
		1	0	1.8	328	455 054	907
		1	0	1.8	468	444 712	1089

TABLE VII.- SUMMARY OF SLANT-RANGE DISTANCES FOR THE STANDARD AND MODIFIED OH-6A HELICOPTER
AT EACH MEASURING POSITION DURING 1969 TEST PERIOD

Date	Flight condition	Altitude, meters	Airspeed, knots	Flight	Distances in meters for microphone position -																										
					1		2		3		4		5		6		7		8		9		10		11		12		13		
					Altitude	Slant range	Altitude	Slant range	Altitude	Slant range	Altitude	Slant range	Altitude	Slant range	Altitude	Slant range	Altitude	Slant range	Altitude	Slant range	Altitude	Slant range	Altitude	Slant range	Altitude	Slant range	Altitude	Slant range	Altitude	Slant range	
Configuration A																															
10-24-69	Level (658 kg)*	61	40	1	65	65	66	66	68	68	66	92	66	169	66	226	69	69	71	72	71	72	66	87	66	163	66	220	66	66	
				2	65	65	66	66	66	66	65	90	65	167	65	224	63	63	61	61	63	63	65	88	65	165	65	222	65	65	
				3	60	60	63	63	63	63	60	88	60	167	60	225	59	59	61	61	60	60	60	83	60	160	60	218	60	60	
				4	60	60	55	55	54	54	62	89	62	167	62	225	64	64	66	66	65	65	62	83	62	162	62	219	62	62	
				5	71	71	72	72	72	72	69	88	69	167	69	224	69	69	69	69	67	67	69	92	69	167	69	224	69	69	
			60	1	67	67	69	69	68	68	66	90	66	166	66	223	67	67	66	66	63	63	66	91	66	167	66	224	66	66	
				2	48	48	50	50	51	51	50	78	50	159	50	218	51	51	53	53	56	56	50	80	50	162	50	220	50	50	
				3	58	58	59	59	61	61	59	84	59	162	59	220	58	58	58	58	59	59	59	85	59	164	59	222	59	59	
				4	71	71	73	73	74	74	71	93	71	167	71	224	69	69	66	66	68	68	71	94	71	169	71	225	71	71	
				5	66	66	68	68	68	68	66	88	66	164	66	221	64	64	62	62	64	64	66	91	66	168	66	225	66	66	
			85	1	59	59	57	57	58	58	59	84	59	162	59	220	59	59	62	62	65	65	59	85	59	164	59	222	59	59	
				2	50	50	52	52	55	55	52	80	52	161	52	219	53	53	51	51	52	52	52	81	52	162	52	220	52	52	
				3	52	52	52	52	52	52	52	80	52	160	52	217	52	52	53	53	53	53	52	81	52	162	52	221	52	52	
				4	69	69	68	68	66	66	70	93	70	168	70	225	70	70	72	72	71	71	70	92	70	167	70	224	70	70	
				5	53	53	53	53	53	53	54	78	54	158	54	216	55	56	56	56	59	59	54	84	54	166	54	224	54	54	
11-8-69	Level (658 kg)*	30	40	1	30	30	33	33	31	31	30	66	30	154	30	214	29	29	28	28	29	29	30	69	30	157	30	217	30	30	
				2	23	23	26	26	27	27	24	64	24	153	24	213	25	25	23	23	23	23	24	67	24	155	24	216	24	24	
				3	28	28	27	27	27	27	27	66	27	154	27	214	27	27	27	27	27	27	27	68	27	156	27	216	27	27	
				4	29	29	30	30	29	29	30	66	30	153	30	213	28	28	28	28	27	27	30	70	30	157	30	218	30	30	
				5	26	26	27	27	27	27	23	63	23	153	23	213	27	27	27	27	28	28	23	67	23	156	23	216	23	23	
			60	1	30	30	31	31	31	31	31	67	31	155	31	215	31	31	33	33	33	33	31	69	31	156	31	216	31	31	
				2	35	35	35	35	35	35	34	67	34	153	34	213	35	35	36	36	34	34	34	73	34	159	34	219	34	34	
				3	33	33	33	33	33	33	33	68	33	155	33	214	33	33	33	33	34	34	33	71	33	157	33	217	33	33	
				4	34	34	34	34	34	34	34	69	34	155	34	215	33	33	32	32	32	34	71	34	157	34	217	34	34		
				5	30	30	32	32	34	34	30	67	30	154	30	214	30	30	30	30	30	30	30	69	30	157	30	217	30	30	
			85	1	38	38	40	40	41	41	38	70	38	155	38	215	38	38	39	39	39	39	38	74	38	159	38	219	38	38	
				2	38	38	40	40	41	41	38	70	38	155	38	214	39	39	40	40	40	38	74	38	159	38	219	38	38		
				3	38	38	38	38	39	39	37	70	37	156	37	215	37	37	37	37	37	37	73	37	158	37	218	37	37		
				4	39	39	39	39	38	38	39	70	39	155	39	215	40	40	38	38	37	37	75	39	160	39	219	39	39		
				5	37	37	39	39	40	40	37	69	37	155	37	215	37	37	38	38	38	37	73	37	158	37	218	37	37		
	Hover (658 kg)*	1.8 15.2 61 152	0	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
				2	15	16	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
				3	61	61	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
				4	137	137	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	Take-off (662 kg)*	†	†	1	---	---	---	---	---	---	3	59	3	152	3	211	9	9	21	21	27	27	3	63	3	155	3	216	3	4	
				2	---	---	---	---	---	---	4	60	4	151	4	212	10	10	23	23	29	29	4	62	4	153	4	214	4	4	
				3	---	---	---	---	---	---	5	61	5	152	5	213	9	9	21	21	26	26	5	62	5	153	5	214	5	5	
				4	---	---	---	---	---	---	10	59	10	150	10	211	11	11	22	22	26	26	10	64	10	155	10	216	10	10	
				5	---	---	---	---	---	---	9	60	9	150	9	211	10	10	21	21	24	25	9	64	9	155	9	216	9	9	
				6	5	5	---	---	---	---	5	58	5	149	5	210	---	---	---	---	---	---	5	64	5	155	5	216	5	5	

*Take-off gross weight.

†Transition to forward flight - Increase altitude and airspeed simultaneously until 122 meters and 50 knots, respectively, are reached.

TABLE VII.- SUMMARY OF SLANT-RANGE DISTANCES FOR THE STANDARD AND MODIFIED OH-6A HELICOPTER
AT EACH MEASURING POSITION DURING 1969 TEST PERIOD - Continued

Date	Flight condition	Altitude, meters	Airspeed, knots	Flight	Distances in meters for microphone position -																											
					1		2		3		4		5		6		7		8		9		10		11		12		13			
					Altitude	Slant range	Altitude	Slant range	Altitude	Slant range	Altitude	Slant range	Altitude	Slant range	Altitude	Slant range	Altitude	Slant range	Altitude	Slant range	Altitude	Slant range	Altitude	Slant range	Altitude	Slant range	Altitude	Slant range	Altitude	Slant range		
Configuration B																																
10-31-69	Level (658 kg) *	61	40	1	58	58	59	59	59	59	58	82	58	160	58	218	59	59	60	60	59	59	58	87	58	166	58	224	58	58		
				2	60	60	59	59	58	58	61	84	61	161	61	219	61	61	60	60	60	60	61	88	61	167	61	225	61	61		
				3	61	61	62	62	62	62	61	84	61	162	61	219	61	61	60	60	61	61	61	88	61	166	61	224	61	61		
				4	66	66	66	66	67	67	66	86	66	161	66	218	65	66	65	66	64	64	66	93	66	171	66	228	66	66		
				5	64	64	63	63	63	63	66	87	66	162	66	220	65	65	63	63	62	63	66	92	66	169	66	227	66	66		
			60	1	64	64	66	66	66	67	65	86	65	161	65	218	66	66	66	66	65	66	65	93	65	171	65	228	65	66		
				2	63	63	64	64	65	65	61	83	61	159	61	217	60	60	62	62	62	63	61	91	61	169	61	227	61	62		
				3	63	63	62	62	61	61	63	82	63	158	63	215	62	62	62	63	64	65	93	63	172	63	230	63	63			
				4	61	61	60	60	62	62	60	82	60	159	60	216	61	61	60	60	60	61	60	90	60	169	60	227	60	61		
				5	62	62	61	61	61	61	62	83	62	159	62	216	61	61	62	62	62	63	62	91	62	170	62	228	62	62		
			85	1	65	65	65	65	68	68	66	86	66	161	66	218	66	67	65	66	67	67	67	66	94	66	171	66	229	66	66	
				2	66	67	66	66	69	69	66	85	66	159	66	216	66	67	66	66	65	65	94	66	173	66	230	66	66			
				3	66	67	66	66	67	67	66	87	66	162	66	219	66	67	67	67	67	68	66	93	66	171	66	228	66	66		
				4	68	68	69	69	68	68	67	87	67	161	67	218	65	66	67	67	67	69	69	95	67	172	67	230	67	67		
				5	67	67	67	67	69	69	68	88	68	162	68	219	67	67	69	69	68	68	95	68	172	68	229	68	68			
	30	40	1	37	37	34	34	34	34	37	68	37	152	37	212	39	39	41	41	42	43	76	37	161	37	221	37	38				
			2	38	38	37	37	36	36	39	68	39	153	39	212	37	37	38	38	37	38	76	39	162	39	222	39	39				
			3	35	35	37	37	38	39	36	66	36	151	36	211	34	34	34	34	35	36	76	36	162	36	222	36	36				
			4	37	37	35	35	36	36	37	67	37	152	37	212	37	37	35	36	38	39	73	37	162	37	221	37	38				
			5	35	36	37	37	37	37	35	66	35	152	35	212	36	37	36	37	37	38	74	35	161	35	221	35	36				
11-8-69	Level (658 kg) *	30	60	1	28	28	27	27	28	28	29	66	29	153	29	213	28	28	27	27	27	27	29	69	29	157	29	217	29	29		
				2	26	26	27	27	28	28	26	65	26	153	26	213	26	26	27	27	28	28	26	68	26	156	26	217	26	26		
				3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
				4	28	28	30	30	27	27	29	67	29	155	29	215	28	28	28	28	29	28	68	29	156	29	216	29	29			
				5	28	28	30	30	30	30	28	67	28	155	28	215	30	30	30	29	29	29	28	67	28	155	28	215	28	28		
			85	1	31	31	32	32	31	31	31	68	31	155	31	215	30	30	30	30	31	31	31	68	31	155	31	215	31	31		
				2	32	32	31	31	32	32	32	66	32	153	32	213	34	34	34	34	34	32	71	32	158	32	218	32	32			
				3	33	33	33	33	32	32	33	68	32	155	33	215	33	33	33	32	32	30	30	70	33	157	33	217	33	33		
				4	31	31	31	31	31	31	31	67	31	154	31	214	30	30	30	30	30	30	31	70	31	157	31	217	31	31		
				5	31	31	32	32	32	32	31	67	31	154	31	214	32	32	30	30	31	31	31	70	31	158	31	218	31	31		
	Hover (658 kg) *	1.8 15.2 61 152	0	1	3	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
				2	14	14	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
				3	56	57	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
				4	148	148	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
				5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
Take-off (662 kg) *	†	†	1	15	15	34	34	45	45	5	60	5	151	5	212	11	11	23	23	32	32	5	63	5	154	5	215	5	5			
			2	---	---	---	---	---	---	3	59	3	150	3	211	12	12	24	24	30	30	3	63	3	155	3	215	3	3			
			3	15	15	27	27	41	41	4	59	5	151	4	211	11	11	17	17	21	21	4	63	4	154	4	215	4	3			
			4	12	12	26	26	37	37	4	59	4	150	4	211	12	12	16	16	17	17	4	63	4	155	4	215	4	5			
			5	---	---	---	---	---	---	---	4	60	4	151	4	212	10	10	16	16	23	23	4	62	4	154	4	215	4	4		

*Take-off gross weight.

†Transition to forward flight - Increase altitude and airspeed simultaneously until 122 meters and 50 knots, respectively, are reached.

TABLE VII. - SUMMARY OF SLANT-RANGE DISTANCES FOR THE STANDARD AND MODIFIED OH-6A HELICOPTER

AT EACH MEASURING POSITION DURING 1969 TEST PERIOD - Concluded

Date	Flight condition	Altitude, meters	Airspeed, knots	Flight	Distances in meters for microphone position -																											
					1		2		3		4		5		6		7		8		9		10		11		12		13			
					Altitude	Slant range	Altitude	Slant range	Altitude	Slant range	Altitude	Slant range	Altitude	Slant range	Altitude	Slant range	Altitude	Slant range	Altitude	Slant range	Altitude	Slant range	Altitude	Slant range	Altitude	Slant range	Altitude	Slant range	Altitude	Slant range		
Configuration C																																
10-24-69	Level (658 kg)*	61	40	1	65	65	64	64	63	63	66	91	66	168	66	226	69	69	71	71	71	71	66	89	66	164	66	221	66	66		
				2	58	58	53	53	54	54	57	83	57	162	57	221	57	57	59	59	59	59	57	83	57	162	57	221	57	57		
				3	55	55	54	54	53	53	51	79	54	161	54	219	54	54	53	53	54	54	54	84	54	162	54	221	54	54		
				4	56	56	54	54	54	54	59	87	59	166	59	224	60	60	57	57	55	55	59	83	59	161	59	219	59	59		
				5	55	55	52	52	51	51	60	87	60	165	60	223	60	60	59	59	58	58	60	84	60	162	60	220	60	60		
			60	1	63	63	66	66	66	66	63	88	63	167	63	223	63	63	66	66	68	68	63	87	63	164	63	222	63	63		
				2	59	59	62	62	63	63	57	82	57	162	57	219	61	61	60	60	59	59	57	84	57	164	57	222	57	57		
				3	67	67	68	68	68	68	66	91	66	167	66	224	66	66	65	65	66	66	66	89	66	165	66	222	66	66		
				4	62	62	62	62	63	63	61	84	61	161	61	219	62	62	63	63	65	65	61	88	61	167	61	225	61	61		
				5	65	65	66	66	65	65	65	88	65	165	65	222	65	65	66	66	67	67	65	90	65	167	65	224	65	65		
			85	1	56	56	59	59	59	59	56	82	56	162	56	220	57	57	60	60	60	60	56	84	56	163	56	222	56	56		
				2	54	54	56	56	58	58	54	81	54	161	54	219	54	54	55	55	59	59	54	82	54	162	54	221	54	54		
				3	56	56	59	59	59	59	56	84	56	163	56	222	56	56	53	53	54	54	56	82	56	162	56	220	56	56		
				4	65	65	66	66	67	67	66	88	66	165	66	222	64	64	62	62	62	62	66	91	66	167	66	225	66	66		
				5	59	59	60	60	61	61	59	86	59	164	59	229	60	60	58	58	60	60	59	85	59	163	59	221	59	59		
11-8-69	Level (658 kg)*	30	40	1	29	29	29	29	32	32	28	66	28	154	28	214	29	29	30	30	29	29	28	68	28	156	28	216	28	28		
				2	29	29	28	28	29	29	29	67	29	154	29	215	30	30	32	32	32	29	69	29	156	29	216	29	29			
				3	31	31	33	33	33	33	31	67	31	154	31	214	31	31	31	31	32	31	70	31	157	31	217	31	31			
				4	26	26	25	25	28	28	27	65	27	153	27	213	28	28	29	29	28	27	68	27	157	27	217	27	27			
				5	29	29	27	27	26	26	28	68	28	156	28	216	27	27	30	30	30	28	66	28	154	28	214	28	28			
			60	1	31	31	31	31	31	31	32	68	32	155	32	215	31	31	30	30	30	32	70	32	157	32	217	32	32			
				2	33	33	33	33	34	34	32	68	32	155	32	215	33	33	33	33	32	32	70	32	157	32	217	32	32			
				3	32	32	34	34	33	33	32	68	32	155	32	215	33	33	32	32	32	70	32	157	32	217	32	32				
				4	34	34	34	34	34	34	34	69	34	155	34	215	34	34	34	34	33	34	70	34	157	34	217	34	34			
				5	33	33	32	32	32	32	33	69	33	156	33	216	32	32	33	33	32	32	69	33	156	33	215	33	33			
			85	1	34	34	34	34	35	35	34	69	34	155	34	215	33	33	34	34	36	36	34	70	34	157	34	217	34	34		
				2	32	32	33	33	33	33	32	67	32	154	32	214	33	33	34	34	35	35	32	70	32	157	32	217	32	32		
				3	34	34	34	34	34	34	34	68	34	155	34	215	34	34	34	34	34	34	71	34	158	34	218	34	34			
				4	33	33	33	33	33	33	33	69	33	155	33	215	33	33	33	33	34	34	70	33	156	33	216	33	33			
				5	36	36	34	34	35	35	34	69	34	155	34	214	34	34	33	33	34	34	72	34	158	34	218	34	34			
11-13-69	Hover (658 kg)*	1.8 15.2 61 152	0	1	2	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
				2	18	19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
				3	55	55	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
				4	140	140	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
	Take-off (662 kg)*	†	†	1	8	8	26	26	38	38	2	59	2	151	2	212	8	8	18	18	23	23	2	62	2	154	2	215	2	2		
				2	14	14	30	30	54	54	5	59	5	150	5	211	8	8	15	16	20	20	5	63	5	155	5	215	5	5		
				3	8	8	29	29	44	44	2	59	2	150	2	211	9	9	16	16	20	20	2	63	2	155	2	216	2	3		
4	12	12	27	27	39	39	2	59	2	151	2	212	9	9	11	11	20	20	2	62	2	154	2	215	2	3						
5	14	14	25	25	43	43	2	59	2	151	2	212	8	8	15	15	20	20	2	62	2	154	2	215	2	3						

*Take-off gross weight.

†Transition to forward flight - Increase altitude and airspeed simultaneously until 122 meters and 50 knots, respectively, are reached.

TABLE VIII.- SUMMARY OF SLANT-RANGE DISTANCES FOR THE STANDARD OH-6A HELICOPTER (CONFIGURATION D)
AT EACH MEASURING POSITION DURING 1971 TEST PERIOD

Date	Flight condition	Altitude, meters	Airspeed, knots	Flight	Distances in meters for microphone position -																										
					1		2		3		4		5		6		7		8		9		10		11		12		13		
					Altitude	Slant range	Altitude	Slant range	Altitude	Slant range	Altitude	Slant range	Altitude	Slant range	Altitude	Slant range	Altitude	Slant range	Altitude	Slant range	Altitude	Slant range	Altitude	Slant range	Altitude	Slant range	Altitude	Slant range	Altitude	Slant range	
3-1-71	Level (1094 kg)*	30	120	1	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47		
				2	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	
				3	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
				4	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
				5	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
3-10-71	Level (729 kg)*	30	70	1	30	34	33	34	34	34	34	53	34	79	34	107	34	36	33	35	33	35	34	53	34	79	34	107	34	36	
				2	32	33	33	33	31	31	33	51	33	77	33	105	31	33	32	34	30	32	33	51	33	77	33	105	33	34	
				3	34	34	34	34	33	34	33	52	33	77	33	106	31	32	33	34	33	35	33	52	33	77	33	106	33	34	
				4	30	31	32	33	32	33	30	49	30	76	30	104	31	33	31	33	31	32	30	49	30	76	30	104	30	31	
				5	30	31	27	27	30	30	29	49	29	76	29	106	31	33	33	34	30	32	29	49	29	76	29	105	29	30	
3-12-71	Level (729 kg)*	30	40	1	41	41	38	38	41	41	37	47	37	70	37	98	36	36	35	35	36	36	37	47	37	71	37	98	37	37	
	Level (661 kg)*			60	1	32	32	31	31	31	31	33	46	33	71	33	99	31	31	29	29	28	28	33	46	33	71	33	99	33	33
	2				27	27	27	27	25	25	25	41	25	68	25	97	26	26	28	28	27	27	25	41	25	68	25	97	25	25	
	3				32	32	30	30	31	31	33	46	33	71	33	99	32	32	31	31	31	31	33	46	33	71	33	99	33	33	
	4	30	30		30	30	32	32	29	42	29	68	29	97	29	29	24	24	24	24	29	42	29	68	29	97	29	29			
5	27	27	30	30	30	30	28	41	28	68	28	96	29	29	31	31	31	32	28	41	28	68	28	96	28	28					
3-13-71	Level (912 kg)*	30	70	1	31	31	30	30	30	30	32	45	32	71	32	99	29	29	27	27	29	29	32	45	32	71	32	99	32	32	
	2			29	29	31	31	31	31	26	41	26	66	26	97	27	27	25	25	26	26	26	42	26	68	26	97	26	26		
	3			27	27	27	27	27	27	27	42	27	69	27	98	28	28	28	29	28	29	27	42	27	69	27	98	27	27		
	4			33	33	34	34	34	34	34	47	34	72	34	100	33	33	34	34	35	36	34	47	34	72	34	100	34	34		
	5	28	28	28	28	29	29	28	42	28	68	28	97	28	28	25	25	27	28	28	42	28	68	28	97	28	28				
3-13-71	Level (729 kg)*	30	40	1	32	32	31	31	32	32	31	46	31	72	31	100	31	31	31	31	31	32	41	46	31	72	31	100	31	31	
	2			28	28	28	28	28	28	28	42	28	68	28	97	25	25	27	27	29	30	28	43	28	68	28	97	28	28		
	3			36	36	35	35	35	35	34	47	34	72	34	100	34	34	34	35	35	35	34	47	34	72	34	100	34	34		
	4			33	33	33	33	33	33	33	45	32	71	32	99	31	31	32	32	31	31	32	45	32	71	32	99	32	32		
	5	33	33	33	33	33	33	33	49	33	71	33	99	33	33	33	33	33	33	33	46	33	71	33	99	33	33				
3-13-71	Level (912 kg)*	30	70	1	37	37	36	36	34	34	38	50	38	74	38	101	36	36	34	34	34	38	50	38	73	38	101	38	38		
	2			32	32	32	32	31	31	32	45	32	71	32	98	30	30	29	29	30	30	32	45	32	70	32	98	32	32		
	3			36	36	36	36	35	35	35	48	35	73	35	100	36	36	36	36	36	36	36	35	48	35	73	35	100	35	35	
	4			29	29	29	29	30	30	28	43	28	69	28	98	27	27	27	27	28	28	43	28	69	28	98	28	98	28	28	
	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
3-13-71	Level (1094 kg)*	30	70	1	31	31	30	30	31	31	30	44	30	69	30	98	30	30	29	29	30	30	44	30	69	30	98	30	30		
	2			36	36	36	36	35	35	35	48	35	73	35	100	36	36	36	36	36	36	35	48	35	73	35	100	35	35		
	3			29	29	29	29	30	30	28	43	28	69	28	98	27	27	27	27	28	28	43	28	69	28	98	28	98	28	28	
	4			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	5	31	31	30	30	31	31	30	44	30	69	30	98	30	30	29	29	30	30	30	44	30	69	30	98	30	98	30	30		

*Take-off gross weight.

TABLE IX.- SUMMARY OF SLANT-RANGE DISTANCES FOR THE MODIFIED OH-6A HELICOPTER (CONFIGURATION E)
AT EACH MEASURING POSITION DURING 1971 TEST PERIOD

Date	Flight condition	Altitude, meters	Airspeed, knots	Flight	Distances in meters for microphone position -																									
					1		2		3		4		5		6		7		8		9		10		11		12		13	
					Altitude	Slant range	Altitude	Slant range	Altitude	Slant range	Altitude	Slant range	Altitude	Slant range	Altitude	Slant range	Altitude	Slant range	Altitude	Slant range	Altitude	Slant range	Altitude	Slant range	Altitude	Slant range	Altitude	Slant range	Altitude	Slant range
3-6-71	Level (726 kg)*	30	70	1	35	35	36	36	36	36	34	47	34	71	34	99	34	34	36	36	35	35	34	47	34	71	34	99	34	34
				2	35	35	33	33	34	34	35	46	35	69	35	97	35	35	34	34	31	31	35	46	35	69	35	97	35	35
				3	37	37	36	36	34	34	36	46	36	70	36	97	34	34	34	38	33	36	46	36	69	36	97	36	36	
				4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
				5	37	37	36	36	34	34	35	47	35	71	35	99	36	36	37	37	38	35	47	35	71	35	99	35	35	
3-10-71	Level (726 kg)*	30	40	1	27	27	26	27	27	28	27	47	27	74	27	103	27	29	26	29	25	28	27	47	27	74	27	103	27	28
				2	41	41	41	41	40	40	42	55	42	78	42	105	44	44	43	44	44	44	42	55	42	78	42	105	42	42
				3	34	34	34	34	34	34	34	48	34	73	34	101	36	36	37	37	34	36	34	48	34	73	34	101	34	35
				4	31	32	33	33	32	33	32	48	32	74	32	103	33	34	33	34	33	34	32	49	32	74	32	103	32	33
				5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
				6	26	26	24	24	28	28	25	38	25	64	25	93	27	27	31	31	30	30	25	38	25	64	25	93	25	26
		70	1	25	26	25	27	26	27	25	49	25	76	25	106	24	27	25	28	23	27	25	49	25	76	25	106	25	28	
			2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
			3	28	30	27	29	27	28	29	51	29	78	29	107	28	30	28	30	27	30	29	51	29	78	29	107	29	31	
			4	30	31	28	29	27	28	30	50	30	76	30	105	30	32	31	33	31	34	30	50	30	76	30	105	30	32	
			5	38	38	38	38	39	39	40	54	40	78	40	105	41	41	40	41	40	41	40	54	40	78	40	105	40	40	
			6	33	34	34	35	35	36	34	50	34	76	34	104	32	34	32	31	32	32	52	34	50	34	76	34	104	34	34
3-12-71	Level (907 kg)*	30	70	1	27	27	29	29	29	29	26	43	26	69	26	101	25	26	26	27	25	27	26	43	26	69	26	98	26	27
				2	31	31	34	34	34	34	34	48	34	73	34	101	34	34	32	32	31	32	34	48	34	73	34	101	34	34
				3	34	34	34	34	34	34	34	48	34	73	34	101	36	36	35	35	34	34	48	34	73	34	101	34	34	
				4	32	32	33	33	33	33	31	46	31	71	31	99	31	31	30	30	31	31	45	31	71	31	99	31	31	
				5	27	27	26	26	26	27	28	43	28	69	28	97	27	27	29	29	31	31	28	43	28	68	28	97	28	28
				6	34	34	34	34	35	35	33	48	33	73	33	100	31	31	31	32	29	30	33	48	33	73	33	101	33	33
				7	32	32	32	32	31	31	32	48	32	73	32	101	32	33	31	32	30	31	32	48	32	73	32	101	32	32
	Level (1098 kg)*	30	70	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
				2	35	36	35	35	35	35	37	53	37	78	37	106	35	36	34	36	35	37	37	53	37	78	37	106	37	37
				3	34	34	34	34	33	33	34	50	34	75	34	103	34	34	33	34	34	55	34	50	34	75	34	103	34	34
				4	33	33	34	34	34	34	34	50	34	75	34	103	34	34	33	33	32	33	34	50	34	75	34	103	34	35
				5	33	33	31	31	31	31	34	48	34	73	34	101	34	34	33	34	33	34	48	34	73	34	101	34	34	
				1	37	37	38	38	36	36	37	51	37	76	37	104	36	36	36	36	35	36	37	51	37	76	37	104	37	37
				2	35	35	34	34	34	34	34	48	34	73	34	101	32	33	33	33	34	34	48	34	73	34	101	34	34	
120	3	35	36	34	34	34	35	35	51	35	76	35	104	36	36	36	36	36	35	51	35	76	35	104	35	36				
	4	33	34	33	33	32	33	34	49	34	74	34	102	35	35	36	36	35	35	34	49	34	74	34	102	34	34			
	5	34	34	33	33	34	34	34	50	34	75	34	103	34	34	33	33	33	34	50	34	75	34	103	34	35				
	6	37	37	35	35	35	36	36	50	36	75	36	103	35	36	34	35	34	35	36	50	36	75	36	103	36	36			
	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--				
	2	40	40	38	38	38	38	40	52	40	74	40	101	40	40	40	41	41	41	40	52	40	74	40	101	40	40			
	3	34	34	34	34	34	34	34	48	34	72	34	100	35	35	36	36	36	36	34	48	34	72	34	100	34	34			
3-13-71	Level (752 kg)*	30	40	1	35	35	36	36	36	36	36	49	36	73	36	101	34	35	35	35	36	36	49	36	73	36	101	36	36	
				2	33	33	34	34	34	34	33	48	33	73	33	101	35	36	37	37	37	37	33	48	33	73	33	101	33	33
				3	31	31	33	33	32	32	31	47	31	72	31	100	31	32	31	32	32	31	47	31	72	31	100	31	32	
				4	35	35	34	34	34	34	35	49	35	74	35	101	34	34	36	36	35	36	35	49	35	74	35	101	35	35
				5	36	36	34	35	36	36	35	48	35	73	35	100	35	35	34	35	35	36	35	48	35	73	35	100	35	35
				70	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		2	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
		3	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
		4	34		34	34	34	34	34	34	48	34	72	34	99	34	34	34	34	34	35	34	48	34	72	34	100	34	34	
		5	34		34	35	35	34	34	34	48	34	72	34	101	35	36	33	33	33	34	48	34	73	34	101	34	35		
		6	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			

TABLE X.- OVERALL SOUND PRESSURE LEVELS FOR THE STANDARD OH-6A HELICOPTER (CONFIGURATION A)
AS MEASURED ON TRACK AND Laterally FOR VARIOUS FLIGHT CONDITIONS,
ALTITUDES, AND FORWARD SPEEDS

Date	Flight condition	Altitude, meters	Airspeed, knots	Flight	Overall sound pressure levels, dB, for microphone position -												
					1	2	3	4	5	6	7	8	9	10	11	12	13
10-24-69	Level (658 kg)*	61	40	1	88.9	88.6	89.6	86.4	80.3	78.1	89.8	89.2	89.9	84.0	79.1	76.1	89.9
				2	89.6	89.9	89.6	86.2	81.7	79.2	90.6	90.0	90.0	84.6	79.0	76.5	90.6
				3	89.6	90.2	89.4	87.1	80.4	78.3	90.7	90.8	90.1	84.1	78.3	75.8	91.4
				4	89.6	90.4	90.5	87.9	80.1	78.0	91.1	89.7	90.0	85.2	78.2	75.5	90.7
				5	89.6	88.5	88.3	86.6	81.1	80.7	90.2	89.1	89.3	83.5	77.5	75.2	90.3
			60	1	89.9	---	90.2	86.4	82.1	77.0	90.6	89.8	91.1	83.7	77.0	77.4	90.7
				2	91.7	92.1	91.3	87.6	79.9	---	92.4	91.8	91.1	85.0	77.6	77.5	92.3
				3	90.3	90.9	90.6	87.5	80.1	76.5	91.7	90.7	90.9	84.9	78.6	79.0	91.4
				4	89.0	89.5	88.9	85.9	79.7	76.4	90.4	89.9	90.0	85.2	77.5	75.0	91.0
				5	89.7	89.9	89.4	86.0	80.4	76.8	91.3	89.9	90.1	84.4	77.2	76.1	90.9
			85	1	92.7	92.5	92.7	87.8	82.2	83.2	93.5	91.6	92.5	86.5	82.3	79.4	92.5
				2	92.8	93.1	91.8	88.2	81.4	82.9	94.2	92.9	91.8	87.8	79.6	77.5	93.4
				3	92.8	93.5	92.9	87.8	80.8	77.7	93.1	92.4	93.5	86.3	82.4	77.4	93.2
				4	89.9	90.6	90.9	86.6	81.0	78.6	90.8	91.2	91.1	85.2	78.9	78.2	91.5
				5	92.1	92.7	91.9	88.1	81.1	78.2	92.8	91.8	92.1	85.4	79.3	77.2	93.0
11-8-69	Level (658 kg)*	30	40	1	93.4	93.5	93.6	86.5	77.4	79.5	94.7	93.3	93.2	83.9	74.8	70.9	93.8
				2	95.7	95.5	94.2	86.0	78.8	74.6	95.6	95.6	95.3	84.7	74.8	72.6	95.5
				3	94.6	94.6	94.7	85.8	77.1	74.0	95.4	94.2	94.6	84.5	74.9	71.9	94.5
				4	94.1	94.6	94.2	87.0	77.8	74.9	95.1	94.4	95.0	84.0	75.3	72.7	94.0
				5	94.8	95.4	94.6	86.7	77.5	74.5	95.3	93.9	94.7	84.9	75.0	73.3	94.8
			60	1	93.8	94.8	94.1	86.3	80.1	81.6	94.3	93.5	93.5	83.4	76.7	77.0	93.6
				2	93.3	94.0	93.2	87.5	78.7	75.8	93.6	93.0	93.1	82.7	75.3	73.0	93.4
				3	93.9	94.1	94.1	87.3	78.4	75.7	94.2	93.3	92.8	83.3	75.4	73.7	93.1
				4	93.5	93.9	93.1	86.2	77.7	75.3	94.3	93.4	93.6	83.9	75.7	73.3	93.4
				5	94.1	94.3	93.9	86.1	77.9	75.2	94.7	94.2	93.9	84.4	75.8	73.4	95.0
			85	1	93.8	93.6	93.4	88.9	80.9	77.5	94.3	93.3	93.1	86.2	78.3	76.2	94.3
				2	93.5	93.9	93.5	87.9	80.4	77.4	93.8	92.6	93.1	86.4	78.1	74.8	94.1
				3	93.7	93.5	92.9	88.4	80.4	77.3	94.2	93.7	93.6	87.0	78.6	75.1	94.1
				4	89.9	83.4	93.1	88.4	80.7	77.6	93.7	93.4	92.9	86.4	78.3	75.9	92.9
				5	93.4	93.6	92.8	88.2	80.9	77.7	94.3	92.7	92.6	86.1	79.0	75.0	93.7

*Take-off gross weight.

TABLE XI.- OVERALL SOUND PRESSURE LEVELS FOR THE MODIFIED (FOUR-BLADE TAIL ROTOR)
OH-6A HELICOPTER (CONFIGURATION B) AS MEASURED ON TRACK AND Laterally FOR
VARIOUS FLIGHT CONDITIONS, ALTITUDES, AND FORWARD SPEEDS

Date	Flight condition	Altitude, meters	Airspeed, knots	Flight	Overall sound pressure levels, dB, for microphone position -												
					1	2	3	4	5	6	7	8	9	10	11	12	13
10-31-69	Level (658 kg)*	61	40	1	80.4	80.8	80.3	80.0	71.0	67.8	81.4	81.2	80.6	78.4	70.3	68.5	80.8
				2	80.1	81.4	81.4	80.1	71.1	68.2	80.8	80.9	81.2	78.3	70.6	68.6	80.8
				3	80.1	80.4	80.8	79.6	71.0	67.5	81.1	80.7	80.8	78.1	70.4	68.9	80.3
				4	80.1	80.3	79.7	79.6	71.0	68.3	81.0	79.6	80.6	77.4	70.4	68.8	80.6
				5	80.4	80.7	79.6	79.4	70.9	68.0	79.8	80.2	79.8	77.6	69.9	68.4	79.5
			60	1	79.8	79.0	78.9	79.5	71.1	67.9	79.2	79.4	78.6	76.9	70.2	68.9	79.6
				2	79.2	80.0	79.3	79.1	71.5	68.0	80.6	80.5	79.6	76.7	69.9	69.4	79.4
				3	79.8	80.3	80.0	79.0	71.2	68.5	79.9	79.7	79.0	75.9	69.6	69.3	79.1
				4	79.8	80.3	79.1	79.0	71.4	68.6	79.8	80.3	78.9	77.0	70.1	68.7	79.2
				5	79.9	80.2	80.6	79.0	71.6	68.9	80.1	80.5	79.3	77.0	69.9	68.8	79.6
			85	1	80.6	81.6	80.2	79.8	73.6	71.3	79.8	---	80.8	79.5	71.9	71.4	80.4
				2	80.5	81.1	79.6	80.8	69.2	71.8	81.3	80.2	78.7	79.1	72.4	72.0	81.0
				3	80.8	80.7	80.3	80.0	68.5	71.8	81.4	79.6	79.7	79.1	72.0	73.3	81.3
				4	80.1	80.7	80.7	79.8	73.5	71.4	81.0	80.0	68.5	79.5	72.4	71.2	80.5
				5	80.6	80.6	80.3	79.7	73.6	72.5	80.6	80.1	80.0	79.0	73.2	72.6	80.0
		30	40	1	84.8	85.6	85.4	80.4	70.7	68.7	85.3	85.2	83.9	77.6	70.2	67.7	84.6
				2	84.7	84.7	84.2	80.8	72.2	71.4	84.4	84.6	83.5	77.9	70.3	69.2	83.9
				3	84.5	84.4	82.8	81.1	71.1	69.3	84.6	85.0	84.6	77.4	71.0	68.6	83.8
				4	84.3	84.9	85.1	80.9	71.5	69.7	85.1	84.4	84.0	77.9	70.4	---	84.3
				5	84.9	84.5	83.5	80.5	70.9	67.6	84.4	84.4	84.6	77.6	71.1	70.6	85.7
11-8-69	Level (658 kg)*	30	60	1	86.5	87.1	87.2	---	---	---	87.5	86.5	86.9	77.2	71.5	67.7	85.9
				2	86.7	87.4	87.3	80.0	70.9	69.1	86.8	86.7	85.1	77.7	70.8	67.5	87.3
				3	86.2	87.7	87.6	80.3	71.8	70.0	86.3	86.8	86.6	78.1	71.7	68.3	87.4
				4	86.3	86.5	85.7	80.0	71.8	69.1	86.7	86.4	86.2	77.6	71.5	67.2	85.9
				5	86.6	87.2	86.3	79.7	71.4	69.4	85.4	86.6	86.0	77.5	71.3	67.6	86.0
			85	1	87.7	87.3	86.8	82.0	74.0	71.8	87.1	86.2	85.8	80.5	74.0	70.1	87.2
				2	86.1	87.9	86.7	81.4	73.5	71.6	87.1	86.3	86.2	80.3	73.2	69.4	86.4
				3	86.0	86.6	85.1	81.4	73.8	71.3	86.5	86.6	87.3	80.6	73.5	69.5	85.8
				4	85.9	85.8	86.2	81.5	74.1	71.8	87.1	87.2	86.1	80.2	73.7	70.2	86.3
				5	86.1	86.3	86.4	81.7	74.0	72.0	87.2	87.0	85.5	80.4	72.8	69.4	86.5

*Take-off gross weight.

TABLE XII.- OVERALL SOUND PRESSURE LEVELS FOR THE MODIFIED (TWO-BLADE) OH-6A HELICOPTER
(CONFIGURATION C) AS MEASURED ON TRACK AND Laterally for Various
FLIGHT CONDITIONS, ALTITUDES, AND FORWARD SPEEDS

Date	Flight condition	Altitude, meters	Airspeed, knots	Flight	Overall sound pressure levels, dB, for microphone position -												
					1	2	3	4	5	6	7	8	9	10	11	12	13
10-24-69	Level (658 kg)*	61	40	1	79.7	80.8	79.4	79.4	73.7	71.6	79.6	79.0	79.7	79.4	72.7	73.6	80.3
				2	80.6	81.9	81.6	79.3	72.5	72.9	80.6	81.1	81.5	79.6	76.1	73.4	82.0
				3	80.8	80.9	81.7	79.4	72.6	71.7	81.9	82.9	82.2	79.3	77.3	73.8	81.6
				4	81.3	81.0	80.4	79.4	72.3	73.6	80.9	81.6	82.6	80.0	75.9	74.4	80.9
				5	79.6	84.6	---	79.4	72.7	74.1	79.7	81.6	80.8	78.8	76.1	74.6	80.9
			60	1	79.9	81.1	79.4	79.0	72.5	72.0	80.1	80.2	79.9	77.4	75.8	73.6	80.7
				2	81.9	80.3	79.4	78.8	72.5	73.1	79.7	81.2	81.0	77.7	75.6	74.7	81.4
				3	78.6	79.5	78.9	78.6	73.2	72.4	80.1	80.8	79.8	78.0	75.8	74.4	80.7
				4	81.0	80.4	80.3	78.9	73.0	74.5	81.5	81.4	80.8	77.5	76.5	74.6	80.4
				5	80.3	81.0	79.3	78.6	72.8	75.8	79.4	80.3	80.3	77.6	75.4	74.5	80.3
			85	1	82.2	81.7	81.6	81.8	76.1	73.7	82.3	82.8	82.2	81.2	75.1	73.3	82.4
				2	81.9	83.5	82.1	81.6	76.1	76.8	82.0	82.8	81.8	80.5	74.8	71.7	82.9
				3	82.7	83.5	81.5	81.3	75.3	77.5	82.7	83.8	82.3	81.5	75.1	73.0	83.2
				4	81.6	81.1	80.7	80.6	76.4	73.2	---	82.2	81.9	82.4	75.7	73.9	83.1
				5	82.2	81.9	81.5	80.7	75.5	75.4	82.0	82.1	83.1	81.8	75.1	73.3	82.2
11-8-69	Level (658 kg)*	30	40	1	87.2	88.0	85.5	81.0	73.6	70.2	88.0	88.0	87.9	80.5	71.8	69.5	89.4
				2	87.1	87.6	87.1	80.9	72.2	68.2	88.0	86.9	87.9	79.9	72.1	68.8	87.6
				3	85.3	85.9	85.8	81.0	72.7	69.5	86.9	86.1	86.7	79.8	72.4	69.8	87.5
				4	88.4	89.7	87.6	81.5	72.4	68.9	88.3	86.7	87.9	79.4	70.8	69.1	88.1
				5	88.1	87.7	86.9	80.7	71.9	68.0	87.4	86.8	87.9	80.2	71.8	68.9	88.0
			60	1	85.1	87.1	86.1	80.6	73.5	70.2	86.3	86.7	86.1	78.0	72.1	67.9	86.8
				2	86.2	85.6	84.9	80.7	73.2	70.1	86.0	85.3	85.6	78.6	73.4	69.2	86.3
				3	85.9	85.8	85.1	80.8	73.0	70.0	86.8	85.8	86.3	78.7	73.0	69.7	86.5
				4	85.5	86.2	85.4	80.4	72.7	70.1	85.4	85.6	85.7	78.3	72.3	68.6	86.1
				5	85.2	86.1	86.1	80.3	72.4	69.8	86.6	86.0	85.6	78.5	72.2	68.7	86.9
			85	1	87.8	87.5	87.6	83.0	75.7	72.6	88.4	86.6	86.0	81.0	74.6	72.0	88.3
				2	87.5	88.1	87.4	83.1	76.0	73.0	87.3	87.3	86.8	81.9	74.9	72.2	87.6
				3	86.9	87.0	87.5	82.2	75.8	73.3	88.0	85.8	86.6	80.7	74.3	71.6	88.3
				4	86.3	86.7	87.8	82.5	75.5	72.0	87.2	87.0	87.6	81.1	74.7	71.8	87.9
				5	86.7	86.4	86.4	82.1	75.8	72.4	87.5	87.3	86.5	81.1	74.7	72.1	86.5
11-13-69	Take-off (662 kg)*	†	†	1	96.6	89.6	86.0	84.9	76.6	75.2	97.1	74.7	72.0	80.6	76.6	72.5	---
				2	77.8	90.3	85.1	85.9	77.2	75.8	81.9	74.8	73.0	84.4	76.5	74.5	---
				3	94.5	89.1	85.8	84.7	76.6	75.1	82.6	74.6	72.5	83.9	76.6	73.1	---
				4	95.0	89.6	86.9	85.3	77.3	76.1	82.1	75.5	72.8	84.8	76.8	72.7	---
				5	95.0	90.3	86.9	84.2	78.5	70.9	85.0	75.0	72.4	85.4	77.3	74.3	---
	Landing (662 kg)*	†	†	1	80.9	73.9	71.4	83.3	75.2	74.2	96.1	93.1	91.0	82.8	73.9	70.0	---
				2	79.7	73.2	69.5	83.0	74.3	73.5	100.5	93.9	93.1	82.8	74.3	69.6	---
				3	80.6	73.3	69.6	83.5	75.5	73.9	99.5	93.6	93.3	83.6	75.0	70.8	---
				4	80.6	73.5	70.3	84.3	75.9	73.0	100.7	93.2	92.6	83.8	76.0	70.4	---
				5	80.2	72.7	70.0	82.9	74.5	73.7	98.8	95.0	93.7	81.5	73.3	70.2	---

*Take-off gross weight.

†Transition to forward flight - Increase altitude and airspeed simultaneously until 122 meters and 50 knots, respectively, are reached.

‡Transition to hover - Starting from approximately 61 meters altitude and 50 knots airspeed, set up a rate of descent of approximately 183 m/min; decrease airspeed gradually throughout approach to a 1.8 meter hover.

TABLE XIII.- OVERALL SOUND PRESSURE LEVELS FOR THE STANDARD OH-6A HELICOPTER
(CONFIGURATION D) AS MEASURED ON TRACK AND LaterALLY FOR VARIOUS
FLIGHT CONDITIONS, ALTITUDES, AND FORWARD SPEEDS

Date	Flight condition	Altitude, meters	Airspeed, knots	Flight	Overall sound pressure levels, dB, for microphone position -													
					1	2	3	4	5	6	7	8	9	10	11	12	13	
3-1-71	Level (1094 kg)*	30	40	1	93.7	92.6	93.5	94.4	90.3	86.5	93.2	91.9	91.3	92.0	88.8	84.7	89.1	
				2	91.9	92.8	92.2	93.8	90.4	87.0	93.4	92.0	91.0	90.6	88.4	84.2	94.1	
				3	93.4	93.0	93.5	94.5	90.1	86.4	92.8	91.8	92.0	91.1	88.2	84.8	94.8	
				4	94.4	94.0	94.2	94.9	90.2	86.8	94.3	92.3	91.5	93.0	89.3	86.0	94.3	
				5	93.3	93.4	92.0	94.0	90.2	87.0	92.6	91.8	90.4	91.5	88.7	85.3	93.2	
				6	93.8	92.6	92.1	94.5	91.1	87.4	92.9	93.4	93.1	92.6	89.0	85.2	94.2	
			55	1	93.6	93.9	93.4	93.8	89.4	86.0	93.0	92.8	92.4	89.6	87.5	84.3	93.4	
				2	93.4	93.0	93.2	93.3	90.0	86.8	93.0	92.6	93.4	90.3	87.6	83.5	93.3	
				3	94.4	94.6	94.4	---	89.7	86.4	93.0	93.2	92.0	90.2	86.5	83.6	94.0	
				4	93.9	94.0	93.9	94.0	89.4	85.6	94.4	92.3	92.7	89.4	86.5	83.8	95.0	
				5	93.5	93.8	93.6	93.7	89.3	86.0	93.7	93.1	91.5	89.6	86.9	83.4	93.9	
			70	1	95.7	94.9	95.0	93.7	89.4	86.2	94.5	94.2	93.3	89.7	86.2	83.4	94.4	
				2	95.3	93.8	94.7	93.1	89.8	86.1	93.7	93.3	92.7	89.4	86.1	83.1	93.8	
				3	94.5	94.5	93.9	93.8	89.3	86.3	93.5	92.2	91.5	88.7	86.3	83.8	93.9	
				4	94.8	93.9	95.0	93.3	89.6	85.9	93.8	92.7	91.7	89.1	85.9	83.3	93.8	
				5	95.2	94.6	96.1	93.1	89.0	86.2	94.2	93.5	92.7	88.9	86.2	83.8	94.3	
			120	1	95.9	93.2	95.1	94.4	93.4	90.7	94.2	---	92.0	91.8	89.6	87.4	94.2	
				2	95.5	94.4	95.4	94.6	92.8	90.4	94.0	---	93.3	92.4	90.3	87.6	95.1	
		3		94.3	93.9	94.1	94.8	92.8	90.7	93.4	92.3	92.7	91.4	89.8	87.5	93.5		
		4		93.9	93.1	93.8	93.7	92.4	90.3	94.1	92.0	92.8	91.4	88.5	86.9	94.0		
		5		93.9	93.5	93.6	92.7	91.7	89.8	92.8	91.7	92.2	91.0	89.0	81.4	93.1		
3-10-73	Level (729 kg)*	30	70	1	92.8	94.0	93.7	90.6	87.5	84.2	93.2	92.7	91.9	86.6	83.5	79.7	92.9	
				2	93.1	94.8	94.1	90.6	87.0	83.5	93.8	94.2	91.9	87.1	83.4	81.0	93.9	
				3	93.6	93.8	94.4	91.2	87.7	84.5	93.5	92.9	92.3	86.9	84.1	82.4	94.5	
				4	93.3	93.9	93.2	91.1	87.5	84.2	93.7	93.0	92.4	86.5	83.4	80.1	93.8	
				5	93.8	94.5	94.4	91.2	87.5	83.6	93.5	92.7	92.0	86.7	83.1	83.1	94.0	
3-12-73	Level (729 kg)*	30	40	1	91.4	91.4	91.9	87.0	82.8	79.0	91.0	88.3	90.1	91.1	89.0	84.8	91.1	
	Level (661 kg)*	30	60	1	93.3	93.8	93.7	86.6	83.0	80.4	93.4	90.0	92.9	90.5	87.3	83.0	93.7	
				2	94.8	94.8	94.9	87.5	83.3	80.1	94.1	89.9	92.5	91.2	86.6	82.8	95.0	
				3	94.0	94.0	94.1	86.8	83.7	81.4	92.4	89.3	91.3	90.5	87.5	83.0	94.0	
				4	93.7	93.4	93.9	87.0	83.1	79.9	93.2	90.7	92.3	90.8	87.0	83.3	93.6	
				5	93.2	93.3	94.8	86.9	83.4	79.3	93.4	88.9	91.2	90.7	87.4	82.5	93.7	
	Level (912 kg)*	30	70	1	93.1	93.8	95.0	88.0	84.3	81.1	93.9	92.5	92.8	92.3	89.0	84.7	94.1	
				2	94.5	95.0	95.1	89.1	84.3	81.1	95.3	92.5	93.4	93.1	89.0	84.6	95.5	
				3	94.5	95.9	96.0	89.0	85.0	82.7	94.5	92.6	93.0	93.8	89.3	84.6	95.7	
	3-13-73	Level (729 kg)*	30	40	1	91.8	92.3	92.7	88.6	83.3	79.0	92.2	91.4	91.5	90.8	87.2	83.1	92.2
					2	93.9	94.6	94.6	89.5	84.0	79.0	93.7	93.4	92.6	92.1	87.3	83.2	93.6
					3	92.8	93.8	94.1	88.7	84.3	79.3	93.3	92.8	92.2	90.7	86.8	82.6	92.9
					4	94.0	94.8	94.1	89.4	84.7	79.3	94.1	94.5	93.8	91.6	87.7	82.7	93.7
					5	92.0	92.6	92.9	87.0	83.4	79.6	92.5	91.9	92.2	90.2	87.2	83.3	92.7
Level (912 kg)*		30	70	1	93.6	93.3	93.8	87.5	84.1	80.8	92.9	93.0	92.2	91.7	88.8	84.9	93.1	
				2	93.9	94.3	94.3	88.0	84.4	80.6	94.0	93.7	93.1	91.7	88.0	84.5	93.8	
				3	93.1	93.9	94.5	87.6	84.1	80.5	93.5	93.0	92.9	91.8	88.1	84.6	93.3	
				4	93.0	94.1	93.7	87.0	84.3	80.8	92.2	91.9	91.7	90.8	88.5	85.0	92.4	
				5	93.9	94.3	95.8	87.4	84.8	80.4	93.6	93.9	93.2	91.9	88.6	84.8	93.4	
Level (1094 kg)*		30	70	1	94.0	94.2	94.9	88.5	85.3	82.5	93.4	92.8	92.1	93.0	90.2	85.7	93.4	
				2	93.7	94.2	95.0	88.8	85.7	81.9	93.6	93.7	92.9	93.6	90.5	85.9	94.6	
				3	94.7	94.3	95.4	89.6	86.2	82.0	95.2	94.4	94.5	93.5	89.6	85.3	94.7	
				4	94.0	94.1	94.7	89.0	85.7	81.3	94.7	94.3	93.7	93.2	89.9	85.7	94.7	
				5	94.2	94.9	95.5	88.8	85.3	81.8	94.7	93.7	93.6	93.6	90.1	85.7	94.7	

*Take-off gross weight.

TABLE XIV.- OVERALL SOUND PRESSURE LEVELS FOR THE MODIFIED OH-6A HELICOPTER
(CONFIGURATION E) AS MEASURED ON TRACK AND Laterally FOR VARIOUS
FLIGHT CONDITIONS, ALTITUDES, AND FORWARD SPEEDS

Date	Flight condition	Altitude, meters	Airspeed, knots	Flight	Overall sound pressure levels, dB, for microphone positions -												
					1	2	3	4	5	6	7	8	9	10	11	12	13
3-6-71	Level (726 kg)*	30	70	1	79.6	80.9	79.1	81.0	79.0	75.0	80.0	78.9	75.6	83.0	79.3	73.8	84.4
				2	79.4	78.5	79.4	77.9	76.4	73.0	79.8	80.5	78.7	79.0	77.0	72.3	77.7
				3	78.7	77.1	80.8	78.5	76.7	73.4	78.8	83.6	82.9	80.9	77.6	75.6	80.2
				4	79.9	84.0	79.9	79.3	76.9	73.0	84.2	78.8	78.1	80.2	76.3	72.0	81.1
				5	79.4	---	79.4	77.2	76.0	73.4	78.1	77.6	79.5	79.8	76.7	72.1	79.3
3-10-71	Level (726 kg)*	30	40	1	84.4	85.6	85.4	81.0	74.5	69.9	84.4	83.4	80.3	77.3	71.6	69.8	84.5
				2	81.3	81.7	82.7	80.3	75.7	71.1	81.8	80.3	75.6	75.3	72.0	71.3	81.6
				3	83.1	83.0	83.8	80.6	74.9	70.9	83.2	81.4	78.5	76.2	74.3	72.7	82.9
				4	83.2	84.1	83.9	80.7	74.8	70.6	84.3	82.5	77.9	76.9	74.7	72.8	83.6
			70	1	80.0	81.4	82.4	87.0	77.5	73.4	82.9	80.1	77.0	80.4	75.3	73.7	80.2
				2	82.3	82.5	84.3	82.9	76.8	72.8	82.8	82.1	77.8	81.4	75.3	73.3	82.8
				3	81.4	80.5	81.6	82.1	77.2	72.8	80.0	80.7	77.8	79.8	75.2	73.8	79.9
				4	79.7	80.9	81.3	81.5	77.2	73.1	80.6	79.3	76.8	79.9	75.4	74.3	81.4
				5	77.5	78.5	79.9	80.5	77.5	74.1	77.2	76.7	74.0	77.9	75.5	74.5	77.6
				6	79.7	79.2	79.8	81.9	78.0	73.6	79.9	79.2	75.9	80.4	76.7	74.7	78.7
				1	85.0	85.3	83.5	82.1	78.7	75.1	85.3	83.8	78.3	84.7	79.6	74.1	86.4
	Level (1098 kg)*	30	70	2	83.3	84.0	83.2	82.3	79.6	75.8	86.3	80.9	79.3	83.7	79.6	75.2	83.5
				3	83.1	83.5	84.4	80.8	79.4	75.8	80.4	77.9	78.6	83.3	80.3	75.9	83.2
				4	83.8	82.1	84.3	84.2	81.5	78.1	82.9	81.4	78.4	85.6	82.2	77.7	82.9
				5	83.9	85.5	88.9	81.6	78.5	74.9	86.3	82.6	77.5	83.3	79.9	75.8	82.8
		70	70	6	83.5	81.4	84.4	81.5	79.6	76.1	82.0	82.9	81.7	84.6	80.1	75.3	85.5
				7	83.6	82.5	83.9	82.3	79.9	76.6	84.3	79.5	82.9	81.9	79.9	75.7	81.8
				1	82.7	84.2	84.9	84.2	81.3	77.9	83.3	83.2	79.4	82.4	82.4	80.1	82.3
				2	84.2	84.8	85.8	86.3	82.8	78.6	85.5	84.3	81.0	85.3	83.4	80.2	84.4
				3	84.1	85.4	85.8	85.1	81.5	77.7	84.9	84.4	81.9	84.1	81.9	80.0	84.0
				4	83.7	84.7	84.7	85.4	81.1	77.4	83.6	83.9	80.8	83.8	81.7	79.0	83.8
				5	84.8	85.4	86.1	85.7	81.6	77.7	84.9	84.2	80.4	84.2	82.8	79.6	84.6
				1	86.1	86.2	87.3	85.8	83.7	80.5	87.0	86.2	83.9	87.0	86.7	84.7	85.9
				2	87.0	87.0	87.6	85.7	83.1	79.7	87.4	86.9	85.1	87.6	86.9	84.5	86.4
				3	85.7	86.8	87.0	86.2	83.8	80.1	86.2	86.5	83.8	88.1	87.0	83.9	85.9
				4	86.6	87.4	87.1	86.9	83.7	80.3	86.3	85.9	83.1	88.2	86.6	84.1	86.7
				5	86.4	86.7	86.9	86.3	83.5	80.6	86.4	85.8	83.3	88.1	86.7	84.0	86.2
				6	86.3	87.0	87.8	86.5	83.3	80.3	86.1	86.1	83.7	87.7	87.3	85.2	86.4
3-12-71	Level (1098 kg)*	120	120	1	87.9	88.1	89.2	87.9	87.8	85.2	88.3	87.4	85.9	87.4	88.6	87.4	88.1
				2	88.4	89.2	89.5	88.2	86.9	84.5	87.8	88.4	86.0	87.8	88.6	87.1	88.6
				3	90.5	90.4	90.2	89.3	87.5	85.2	89.3	89.3	87.2	88.9	89.0	87.6	88.9
				4	90.0	90.4	90.8	88.3	87.6	84.7	89.2	89.8	87.6	88.0	89.0	86.4	89.2
				5	90.9	89.6	91.4	88.8	88.1	84.7	89.3	89.2	87.2	89.4	89.8	87.5	88.6
				6	89.9	89.5	89.6	89.1	88.7	87.0	89.2	88.3	87.0	89.0	89.7	86.5	89.7
				7	90.1	90.0	89.6	89.5	89.5	86.9	89.5	88.9	87.2	89.8	89.8	86.5	89.4
				8	90.2	90.4	90.4	88.3	88.7	86.9	89.6	88.7	87.5	88.9	88.8	85.5	89.5
				9	89.3	90.2	90.6	89.3	89.1	86.6	89.8	89.0	87.5	89.8	88.9	84.7	89.3
				10	90.0	91.4	91.7	91.0	89.8	87.1	90.3	88.6	88.1	90.6	88.7	84.9	91.5
				11	91.1	90.0	91.2	89.7	89.2	86.8	90.4	89.4	89.4	89.9	89.9	85.4	89.8
3-13-71	Level (752 kg)*	30	40	1	83.3	83.7	84.4	81.6	76.0	71.6	84.1	83.0	78.1	77.4	75.8	72.3	83.3
				2	83.6	84.3	84.3	81.1	75.3	71.5	83.8	82.5	77.3	77.1	75.1	71.9	83.4
				3	84.4	84.6	85.1	80.7	74.8	70.8	84.8	83.4	79.2	77.5	74.8	71.1	84.3
				4	83.9	83.9	84.0	81.3	75.4	71.3	84.2	83.2	78.6	76.3	75.0	71.6	83.5
				5	83.9	83.8	83.9	81.1	75.4	71.5	83.9	83.0	78.4	77.1	75.1	71.8	83.2
		70	70	1	80.5	81.6	82.1	80.1	76.4	72.8	81.5	79.8	76.5	79.0	75.6	---	79.8
				2	79.7	80.3	80.1	79.2	75.9	72.8	79.7	79.1	75.8	78.0	75.6	72.9	78.7
				3	78.6	79.2	79.3	78.9	75.9	72.8	79.7	78.3	74.7	78.0	75.4	73.0	78.5
				4	79.2	79.8	79.9	79.5	75.7	72.8	80.0	77.7	75.6	78.2	75.2	72.5	79.2
				5	79.2	79.5	80.2	79.2	76.2	72.8	79.3	78.1	75.9	77.8	75.6	73.1	78.4

*Take-off gross weight.

TABLE XV.- SUMMARY OF ONE-THIRD OCTAVE BAND SOUND PRESSURE LEVELS FOR THE STANDARD OH-6A HELICOPTER (CONFIGURATION A)
AS MEASURED ON TRACK AND Laterally for various flight conditions, altitudes, and forward speeds

Date	Flight condition	Altitude, meters	Airspeed, knots	Microphone position	Flight	One-third octave band sound pressure levels, dB, for frequencies, Hz, of -																																
						Overall	10	12	16	20	25	32	40	50	63	80	100	125	160	200	250	320	400	500	630	800	1000	1250	1600	2000	2500	3200	4000	5000	6300	8000	10000	
10-24-69	Level (658 kg)*	61	40	1	1	88.9	60	58	59	55	63	80	66	57	70	65	83	73	60	83	73	80	76	73	70	66	64	63	61	60	59	56	52	50	46	46	46	
					2	89.6	50	48	57	58	63	81	67	61	70	65	84	74	63	84	73	80	77	75	71	67	64	62	63	60	59	56	51	50	45	47	47	
					3	89.6	50	54	59	62	62	81	67	60	71	66	83	74	62	84	73	81	77	74	73	69	64	62	62	59	57	52	51	48	48	48	48	
					4	89.6	59	62	66	71	67	80	66	60	69	65	84	75	60	83	72	82	76	73	71	67	64	61	61	61	60	59	51	49	46	47	46	
					5	89.6	52	58	60	63	67	82	69	59	69	65	83	75	62	84	73	81	78	74	71	67	64	63	61	60	58	52	50	45	44	45	45	
				2	1	88.6	59	54	60	60	61	83	69	63	66	64	83	75	62	81	72	79	73	70	69	67	65	61	61	61	61	56	54	47	45	45	44	
					2	89.9	55	53	63	59	64	81	67	57	64	65	84	77	64	84	73	81	77	73	70	68	64	60	62	61	61	59	54	51	46	45	45	
					3	90.2	49	50	62	57	67	83	68	59	70	66	84	75	65	84	74	81	77	77	71	69	66	65	61	62	60	56	53	48	47	46	45	45
					4	90.4	60	65	66	68	68	82	69	62	70	66	84	76	64	84	73	82	78	76	72	69	65	64	62	62	60	56	52	50	47	45	47	47
					5	88.5	55	57	59	56	66	81	67	59	67	64	83	75	61	82	70	80	74	72	69	64	63	61	61	61	58	54	49	48	45	44	44	44
				3	1	89.6	50	53	59	53	64	82	68	59	69	64	83	74	62	84	74	82	78	73	71	67	64	65	63	62	58	55	51	51	46	46	46	
					2	89.6	63	68	68	74	75	82	69	63	69	65	83	74	62	83	72	81	77	74	73	67	64	63	63	61	58	54	50	49	46	47	47	47
					3	89.4	56	58	64	68	69	82	67	63	69	65	84	74	65	82	73	81	77	75	74	70	65	63	63	61	58	56	50	49	46	47	47	47
					4	90.5	60	61	61	61	61	85	82	68	59	72	64	84	75	63	85	75	83	77	74	73	68	64	62	63	64	61	56	55	55	49	48	48
					5	88.3	61	62	65	65	68	80	66	59	68	63	82	71	62	82	71	80	76	72	71	65	62	60	60	59	55	53	50	48	45	46	46	46
				4	1	86.4	60	55	63	63	63	83	69	60	59	58	75	72	68	58	67	70	79	71	70	67	66	62	62	62	59	54	50	49	47	46	45	45
					2	86.2	57	55	59	64	67	84	67	58	60	58	75	70	67	57	65	73	74	70	71	66	65	63	64	64	60	59	54	51	47	43	45	44
					3	87.1	66	67	65	70	70	85	72	63	62	61	73	72	69	64	62	75	75	69	74	68	66	64	64	62	60	57	53	48	46	46	44	44
					4	87.9	68	71	66	70	65	85	75	73	66	64	75	72	69	59	67	75	76	71	74	70	66	65	65	64	60	56	52	50	47	45	45	43
					5	86.6	45	51	47	52	64	84	68	54	54	57	76	71	68	62	67	71	76	72	70	67	66	62	63	62	59	54	53	49	44	45	42	42
				5	1	80.3	62	54	54	54	60	78	62	58	64	55	55	52	57	62	60	60	74	64	62	62	61	58	57	54	53	48	43	40	37	39	40	40
					2	81.7	67	75	76	74	72	72	66	66	63	58	52	50	45	44	48	69	49	42	35	36	33	33	33	31	32	31	32	31	32	33	36	36
					3	80.4	56	57	64	69	65	78	62	59	64	56	59	53	52	60	61	65	69	63	67	62	60	57	57	56	53	47	40	36	33	35	36	36
					4	80.1	56	64	62	65	66	78	62	56	66	54	59	49	53	63	59	62	69	67	64	62	61	58	57	54	50	48	41	37	33	35	36	36
					5	81.1	60	56	65	65	67	79	69	67	64	56	57	50	58	60	59	61	69	65	61	60	60	59	57	54	52	48	41	38	33	35	36	36
				6	1	78.1	48	45	53	51	55	74	59	60	63	53	57	57	44	52	55	65	74	59	65	58	58	56	53	51	48	42	38	38	35	38	40	40
					2	79.2	60	64	74	72	68	71	68	64	65	59	56	53	48	44	43	49	68	50	45	39	40	38	37	34	31	34	33	33	33	32	35	35
					3	78.3	56	56	61	70	70	74	65	64	63	54	59	55	46	55	57	62	68	57	64	58	56	55	53	51	48	43	37	35	33	34	35	35
					4	78.0	57	57	69	64	64	74	62	60	65	55	58	53	45	46	57	65	69	58	65	56	57	53	51	50	45	41	34	36	33	34	36	36
					5	80.7	59	62	68	71	76	70	72	71	64	62	64	57	48	47	43	46	69	49	47	37	36	35	34	34	33	34	32	32	33	34	36	36
				7	1	89.8	51	55	59	62	63	82	68	60	70	65	84	74	62	83	73	82	78	74	71	66	65	62	62	62	58	56	49	46	45	46	46	
					2	90.6	57	64	60	65	70	82	71	65	71	68	84	76	64	85	74	83	78	75	72	69	68	64	61	61	61	57	55	52	47	46	47	47
					3	90.7	43	47	55	54	66	81	68	55	71	66	84	76	65	85	75	83	79	74	73	67	66	64	62	62	60	59	58	54	47	48	47	47
					4	91.1	50	56	60	64	69	83	70	62	70	66	84	77	65	85	77	82	78	75	71	69	66	64	62	61	58	55	51	45	45	47	47	47
					5	90.2	57	66	69	70	69	80	67	64	69	66	84	74	61	84	73	83	78	76	72	68	64	62	63	61	60	57	53	50	46	45	46	46
				8	1	89.2	61	63	64	62	65	81	69	57	70	64	83	74	63	83	74	81	78	73	70	66	64	61	61	61	58	55	48	47	44	45	46	46
					2	90.0	54	54	57	56	65	80	67	65	71	64	84	76	63	84	73	81	79	74	73	67	64	63	63	61	62	59	54	51	49	48	47	47
					3	90.8	48	53	62	58	65	82	68	58	70	67	85	75	64	84	77	83	78	75	74	71	66	63	62	63	58	58	51	50	47	48	46	46
					4	89.7	58	62	68	62	67	82	68	60	67	66	83	75	61	84	73	81	78	75	71	69	65	63	63	62	60	59	53	50	48	47	48	48
					5	89.1	47	49	56	51	65	83	70	54	70	65	83	75	63	82	74	79	75	72	69	66	66	64	61	60	59	56	51	48	46	45	46	46
				9	1	89.9	59	63	67	66	66	82	68	65	69	66	84	75	65	84																		

TABLE XV.- SUMMARY OF ONE-THIRD OCTAVE BAND SOUND PRESSURE LEVELS FOR THE STANDARD OH-6A HELICOPTER (CONFIGURATION A)
AS MEASURED ON TRACK AND Laterally FOR VARIOUS FLIGHT CONDITIONS, ALTITUDES, AND FORWARD SPEEDS - Continued

Date	Flight condition	Altitude, meters	Airspeed, knots	Microphone position	Flight	One-third octave band sound pressure levels, dB, for frequencies, Hz, of -																															
						Overall	10	12	16	20	25	32	40	50	63	80	100	125	160	200	250	320	400	500	630	800	1000	1250	1600	2000	2500	3200	4000	5000	6300	8000	10000
10-24-69	Level (658 kg)*	61	40	11	1	79.1	65	60	65	63	60	73	58	62	63	53	55	56	59	74	63	59	67	66	64	63	63	61	59	56	53	50	46	42	40	41	44
					2	79.0	47	47	49	47	56	77	61	64	65	57	60	53	52	72	62	64	59	65	59	59	58	57	54	51	47	42	39	38	36	37	39
					3	78.3	64	65	68	69	60	75	61	60	63	51	55	54	48	60	58	66	55	60	60	59	58	57	55	49	47	44	39	39	37	37	40
					4	78.2	53	55	48	56	57	74	58	64	67	55	56	54	54	71	61	60	64	65	63	62	62	58	56	52	47	43	42	38	37	40	
					5	77.5	58	56	62	68	62	72	57	62	64	54	56	50	66	60	66	58	67	66	61	59	59	56	53	49	45	41	37	36	37	39	
				12	1	76.1	39	42	46	46	54	74	59	58	62	56	58	54	46	65	58	65	58	57	59	55	56	54	51	45	44	42	40	41	42	43	45
					2	76.5	60	64	66	63	60	71	60	62	67	58	66	60	53	54	47	63	61	61	59	56	58	54	53	50	44	42	36	35	38	37	41
					3	75.8	47	44	44	47	52	74	58	58	62	54	59	59	51	55	51	60	61	60	57	60	58	57	52	49	47	41	38	35	36	38	40
					4	75.5	46	43	44	49	54	73	58	60	60	54	59	57	46	58	55	66	61	56	64	58	58	55	54	49	45	41	38	37	35	37	40
					5	75.2	36	38	41	41	49	71	59	55	69	60	67	60	52	60	53	58	61	57	54	48	50	50	48	45	40	39	37	36	38	40	
				13	1	89.9	65	65	68	70	68	80	69	64	69	66	83	75	61	84	74	82	77	76	73	70	66	63	64	61	61	59	53	51	48	48	50
					2	90.6	51	54	60	60	63	81	67	62	69	67	85	75	63	85	73	83	77	76	73	69	66	65	65	62	61	60	55	51	50	49	50
					3	91.4	51	56	58	56	67	84	71	57	71	67	85	77	64	84	73	83	79	74	72	70	67	64	64	63	62	58	52	49	50	50	51
					4	90.7	53	58	65	62	65	82	69	64	71	66	84	78	64	85	75	82	80	76	72	68	65	62	63	63	62	65	62	56	53	49	50
					5	90.3	46	53	61	61	66	79	65	61	68	64	84	74	63	85	74	84	78	76	74	71	66	64	63	62	62	64	54	52	48	48	51
		60	60	1	1	89.9	51	56	60	60	67	83	70	58	68	64	83	75	61	84	74	81	78	74	71	66	63	60	59	62	58	57	52	50	46	45	46
					2	91.7	52	60	62	60	66	84	71	64	71	67	85	77	65	86	76	83	79	77	75	69	68	66	66	65	63	61	57	55	51	52	50
					3	90.3	63	65	65	63	65	82	70	62	68	67	83	76	64	85	75	82	79	75	72	68	66	63	63	64	63	60	55	55	49	50	48
					4	89.0	49	49	58	57	64	81	67	55	68	63	82	74	60	83	74	81	78	74	71	68	64	64	63	62	61	59	54	50	48	47	47
					5	89.7	57	62	71	69	66	80	69	60	67	64	83	76	61	84	73	80	79	75	71	68	66	64	63	63	61	58	54	51	49	48	47
				2	1	92.1	54	60	62	62	66	84	71	57	69	66	86	76	64	86	74	84	80	77	76	70	68	65	66	64	62	60	56	54	50	51	47
					2	90.9	57	58	59	59	65	84	72	58	70	66	84	76	63	85	75	82	79	76	71	68	63	62	63	64	62	58	55	52	48	47	45
					3	89.5	48	52	60	63	65	82	68	58	65	83	75	61	81	77	73	72	66	64	62	61	62	58	56	52	50	46	44	44	44	44	44
					4	89.9	55	55	61	55	63	82	70	58	68	65	85	76	61	83	75	81	76	73	71	66	65	61	61	59	58	54	50	47	47	47	44
					5	89.9	55	55	61	55	63	82	70	58	68	65	85	76	61	83	75	81	76	73	71	66	65	61	61	59	58	54	50	47	47	47	44
				3	1	90.2	60	64	68	68	74	82	71	65	70	63	84	75	60	84	75	81	79	74	73	68	63	62	63	62	59	56	52	50	48	47	47
					2	91.3	59	58	58	65	66	83	70	62	66	66	85	76	64	85	74	84	79	76	75	68	64	65	68	64	62	63	56	56	51	51	49
					3	90.6	59	54	63	61	69	82	70	61	69	66	85	75	62	84	75	83	78	76	72	67	65	63	64	63	60	58	54	54	49	49	47
					4	88.9	49	50	50	56	65	81	67	58	67	65	82	73	59	82	73	81	77	76	72	66	64	61	62	61	60	55	51	49	45	46	45
					5	89.4	57	60	64	67	68	82	68	60	67	62	83	75	62	84	73	81	76	74	70	66	64	63	64	63	60	58	55	53	48	46	46
				4	1	86.4	50	51	54	56	65	84	67	57	58	58	77	70	68	62	68	72	75	72	69	66	66	64	62	65	60	55	51	48	45	46	43
					2	87.6	62	61	64	63	71	85	69	65	65	56	74	72	71	66	63	78	71	72	73	68	67	66	65	66	63	59	53	51	48	49	47
					3	87.5	76	77	77	80	80	78	74	64	72	75	68	68	68	69	67	68	63	58	56	55	54	52	63	67	59	70	65	48	50	44	53
					4	85.9	52	51	56	54	64	84	69	58	60	58	78	71	68	64	67	70	74	68	68	65	64	63	62	62	57	53	51	49	45	45	42
					5	86.0	49	56	58	58	66	83	67	57	58	59	77	72	68	57	65	70	74	73	71	67	68	65	64	64	61	57	53	49	47	46	43
				5	1	82.1	67	71	72	72	76	74	71	64	66	62	67	63	53	58	57	65	69	63	58	54	54	50	49	48	46	43	36	34	31	33	36
					2	79.9	57	65	61	59	62	78	68	63	67	57	61	55	50	56	61	67	63	61	67	60	60	57	56	54	52	48	41	37	38	38	40
					3	80.1	64	57	62	61	65	78	67	60	65	55	58	54	55	59	59	65	57	65	65	61	59	58	54	55	52	46	41	37	33	36	37
					4	79.7	55	57	63	60	61	78	63	60	64	53	56	53	57	64	61	62	59	66	61	62	59	58	55	53	50	47	40	37	33	35	36
					5	80.4	59	53	65	69	67	78	66	63	65	59	57	54	56	59	60	60	63	65	63	62	59	58	56	52	51	47	41	37	34	35	36
				6	1	77.0	56	57	57	66	59	73	60	59	65	55	56	53	50	52	57	63	69	60	66	56	56	55	52	48	45	40	35	34	32	34	35
					2	76.4	51	51	57	64	60	74	63	5																							

TABLE XV.- SUMMARY OF ONE-THIRD OCTAVE BAND SOUND PRESSURE LEVELS FOR THE STANDARD OH-6A HELICOPTER (CONFIGURATION A)

AS MEASURED ON TRACK AND Laterally FOR VARIOUS FLIGHT CONDITIONS, ALTITUDES, AND FORWARD SPEEDS - Continued

Date	Flight condition	Altitude, meters	Airspeed, knots	Microphone position	Flight	One-third octave band sound pressure levels, dB, for frequencies, Hz, of -																															
						Overall	10	12	16	20	25	32	40	50	63	80	100	125	160	200	250	320	400	500	630	800	1000	1250	1600	2000	2500	3200	4000	5000	6300	8000	10 000
10-24-69	Level (658 kg)*	61	60	8	1	89.8	55	54	56	52	65	82	69	57	69	64	84	76	62	84	74	81	78	75	72	68	64	64	62	62	59	60	55	52	49	47	47
					2	91.8	57	57	62	64	64	83	71	62	71	65	86	76	65	85	76	84	80	77	73	68	67	64	63	62	61	59	56	54	50	51	46
					3	90.7	51	49	58	54	65	82	68	58	71	65	84	76	63	85	76	83	79	75	73	68	64	62	63	62	61	59	55	52	49	47	47
					4	89.9	47	46	56	51	63	82	69	55	68	65	84	75	61	84	74	82	78	76	72	67	64	63	61	60	60	57	53	50	48	46	47
					5	89.9	49	50	53	51	63	82	70	54	69	64	84	76	63	84	76	80	78	74	70	66	65	63	62	62	61	59	55	52	49	48	46
				9	1	91.1	47	50	58	62	66	84	74	59	71	66	85	78	64	85	77	82	77	73	72	67	65	62	61	62	58	58	54	52	47	47	48
					2	91.1	53	55	52	53	65	83	68	58	66	67	85	76	63	85	74	82	79	76	75	70	66	64	64	64	61	59	55	53	50	48	47
					3	90.9	60	65	71	68	83	71	59	72	66	85	77	66	84	75	82	78	75	72	68	63	62	63	62	60	58	54	52	49	47	47	
					4	90.0	47	52	54	52	65	82	70	57	70	64	84	76	62	84	74	81	77	75	71	69	64	63	61	62	57	58	52	48	46	45	47
					5	90.1	59	56	64	60	66	81	67	58	70	66	84	75	63	84	73	81	79	76	74	71	65	62	62	63	60	57	51	49	46	47	47
				10	1	83.7	51	57	55	60	59	78	70	57	71	63	66	65	64	78	74	71	69	67	67	64	63	62	60	57	57	53	47	46	42	42	45
					2	85.0	51	54	57	59	62	80	69	59	75	65	56	58	62	80	74	61	69	67	67	66	68	66	63	61	60	57	51	49	44	44	45
					3	84.9	60	60	57	61	59	80	72	60	75	67	57	57	63	80	75	62	68	65	64	61	63	61	59	57	56	52	47	46	42	42	43
					4	85.2	46	48	52	52	54	80	72	61	73	67	55	56	64	80	78	65	70	70	66	63	61	63	61	57	57	53	48	43	43	44	45
					5	84.4	45	49	50	52	55	80	71	59	72	65	58	59	62	79	75	66	68	64	65	66	65	67	62	60	59	56	51	45	42	43	45
				11	1	77.0	43	53	55	54	56	68	53	57	65	56	56	53	54	70	63	62	64	70	67	64	63	60	59	56	52	49	42	39	36	39	41
					2	77.6	54	54	60	57	53	72	66	57	70	63	69	63	50	55	52	57	67	65	65	57	54	58	57	50	47	48	41	36	34	36	38
					3	78.6	52	51	51	53	50	67	75	64	67	61	72	67	58	56	55	57	53	57	56	50	50	46	38	36	35	34	33	34	36	37	38
					4	77.5	54	56	56	58	60	73	64	58	69	62	66	62	48	62	61	61	66	63	60	62	56	60	56	50	47	45	40	37	35	38	39
					5	77.2	53	51	54	56	51	72	62	60	69	60	67	62	47	63	60	66	67	63	62	61	56	58	57	53	50	44	39	35	35	38	39
				12	1	77.4	51	47	53	54	53	71	61	57	69	62	69	64	52	56	52	66	67	66	60	62	62	62	60	52	49	45	41	37	36	36	40
					2	77.5	61	65	65	69	65	69	66	61	70	66	67	63	57	59	56	53	59	59	58	57	50	52	47	44	41	39	38	35	37	38	40
					3	79.0	41	43	46	45	50	62	77	73	61	58	60	66	54	52	55	55	50	55	53	45	42	35	34	35	35	36	34	36	38	39	
					4	75.0	39	40	40	47	47	69	63	55	63	58	67	64	50	63	63	64	62	63	55	59	55	47	45	44	40	38	35	36	37	38	40
					5	76.1	48	44	49	48	48	69	61	55	66	59	68	64	54	62	59	58	66	67	65	60	55	57	58	50	48	43	38	35	35	38	40
				13	1	90.7	44	48	57	58	63	81	69	56	67	83	84	76	61	85	76	83	79	76	73	69	65	62	63	63	62	57	52	48	49	51	
					2	92.3	58	62	63	65	63	83	72	59	70	66	86	78	63	86	77	85	81	77	73	68	66	65	66	68	66	63	59	56	51	51	51
					3	91.4	57	57	58	64	67	82	71	61	68	65	85	77	63	86	76	83	80	76	73	69	66	65	65	66	64	64	57	53	49	51	50
					4	91.0	48	54	57	59	64	83	70	61	71	65	84	76	64	85	75	83	79	78	76	70	65	64	64	61	62	59	55	50	49	49	51
					5	90.9	54	52	59	60	63	83	71	60	69	65	85	76	63	84	76	83	79	74	71	68	64	61	62	62	60	60	54	52	48	48	50
			85	1	1	92.7	52	59	65	61	70	85	76	60	73	68	85	80	64	86	81	83	81	79	75	70	68	66	65	63	64	63	58	55	51	52	49
					2	92.8	62	65	66	64	71	85	75	61	73	69	86	80	68	86	80	83	82	79	74	68	68	65	63	63	60	60	54	50	53	52	50
					3	92.8	44	43	57	56	68	85	77	58	74	69	85	82	67	85	81	84	82	79	74	69	67	64	67	64	64	60	58	55	52	52	50
					4	89.9	54	49	55	58	66	83	70	54	71	64	84	76	61	83	75	80	78	75	73	68	65	63	63	61	61	59	54	51	48	50	47
					5	92.1	49	50	60	58	68	84	74	55	73	67	86	79	64	86	79	83	79	78	75	69	68	67	64	65	64	60	56	54	51	51	50
				2	1	92.5	57	56	61	60	70	86	73	60	72	66	86	78	66	86	78	83	80	78	76	70	68	68	67	65	62	62	56	55	50	50	47
					2	93.1	68	61	69	65	69	86	77	61	74	69	86	80	67	86	80	84	80	78	75	72	69	65	66	66	64	62	58	58	50	49	47
					3	93.5	61	67	69	70	71	87	76	63	73	69	86	81	65	87	80	84	81	79	74	72	68	66	65	64	62	62	57	56	51	50	48
					4	90.6	52	58	60	63	66	84	71	57	71	66	84	77	62	84	76	81	79	76	73	68	65	63	64	61	62	59	56	53	49	48	46
					5	92.7	50	48	60	60	70	85	75	58	73	69	86	81	64	86	80	84	80	78	74	70	67	66	66	65	63	61	58	55	51	50	47
				3	1	92.7	52	58	56	58	69	86	79	58	73	69	85	82	67	85	82	82	81	79	74	69	67	67	67	65	64	64	59	57	50	51	49
					2	91.8	55	53	59	5																											

TABLE XV.- SUMMARY OF ONE-THIRD OCTAVE BAND SOUND PRESSURE LEVELS FOR THE STANDARD OH-6A HELICOPTER (CONFIGURATION A)
AS MEASURED ON TRACK AND Laterally for Various Flight Conditions, Altitudes, and Forward Speeds - Continued

Date	Flight condition	Altitude, meters	Airspeed, knots	Microphone position	Flight	One-third octave band sound pressure levels, dB, for frequencies, Hz, of -																															
						Overall	10	12	16	20	25	32	40	50	63	80	100	125	160	200	250	320	400	500	630	800	1000	1250	1600	2000	2500	3200	4000	5000	6300	8000	10000
11-8-69	Level (658 kg)*	30	40	1	1	93.4	43	43	58	57	69	81	61	57	71	72	88	76	70	88	75	85	82	79	80	73	69	67	68	68	64	61	58	61	57	58	58
					2	95.7	40	46	58	59	72	86	67	59	73	73	90	81	70	89	77	89	83	81	80	74	72	71	71	69	67	63	60	60	58	59	59
					3	94.6	39	44	59	59	71	84	65	57	71	73	90	81	70	87	75	87	82	81	81	73	71	71	72	69	66	62	59	59	56	59	58
					4	94.1	40	45	60	58	71	85	67	57	71	72	89	79	68	88	76	86	81	79	79	72	69	68	69	69	65	62	59	58	57	58	58
					5	94.8	42	45	61	58	70	86	68	56	72	72	88	82	70	89	77	87	82	81	81	74	71	70	70	69	64	63	60	59	58	61	59
				2	1	93.5	43	45	60	60	69	83	62	59	71	72	86	77	70	88	77	87	83	79	79	72	71	68	71	69	64	61	58	62	56	58	56
					2	95.5	40	44	61	57	71	85	67	59	71	73	90	81	69	89	77	88	84	82	81	75	70	69	71	70	65	66	60	60	57	58	55
					3	94.6	40	45	59	59	70	79	60	56	68	71	89	80	70	89	76	86	84	81	80	73	69	69	69	69	64	63	60	62	55	57	55
					4	94.6	40	46	60	59	72	84	65	57	69	72	88	80	69	88	76	88	83	81	82	73	69	69	70	67	65	64	59	60	56	57	54
					5	95.4	38	48	62	60	72	86	67	57	72	73	90	81	71	89	77	87	86	82	80	74	70	69	69	69	66	67	61	61	58	60	55
				3	1	93.6	43	48	59	59	69	83	63	58	70	72	89	79	68	87	75	85	83	79	77	72	70	68	69	69	64	62	59	60	56	57	59
					2	94.2	41	46	60	58	70	85	66	58	68	72	88	77	68	88	75	87	84	81	79	72	72	69	70	70	66	65	62	62	59	58	57
					3	94.7	38	42	59	58	71	86	69	56	73	71	90	82	68	88	75	85	81	79	78	73	70	68	70	68	65	67	63	62	58	59	57
					4	94.2	38	46	61	59	72	85	68	56	70	71	88	79	68	87	75	87	83	79	78	73	70	68	69	69	65	65	62	60	57	56	57
					5	94.6	41	43	61	57	72	86	67	56	72	70	89	80	68	88	76	87	86	82	80	78	73	70	69	69	69	65	65	63	62	57	57
				4	1	86.5	34	39	44	52	67	86	64	59	65	57	59	58	63	72	66	62	71	71	69	68	68	65	64	64	60	58	56	55	52	56	52
					2	86.0	31	35	46	52	67	85	64	61	70	60	66	58	59	68	66	69	67	74	73	68	68	64	64	64	62	58	56	56	51	56	51
					3	85.8	29	39	48	50	66	85	64	56	63	56	64	55	61	72	67	68	72	70	70	66	64	65	63	62	59	56	55	53	54	52	
					4	87.0	34	39	43	51	67	86	66	59	68	57	61	60	64	71	66	64	72	71	73	69	68	66	65	65	63	60	56	58	53	55	53
					5	86.7	32	35	45	53	68	85	64	59	71	58	63	56	61	68	67	68	70	74	71	69	67	66	66	64	61	59	55	56	52	56	51
				5	1	77.4	27	30	40	43	57	75	55	55	62	55	64	60	51	49	49	64	68	63	61	61	58	55	54	55	53	50	47	44	39	39	39
					2	78.8	43	43	46	50	53	76	64	58	68	60	73	64	55	59	51	60	61	61	59	57	52	52	54	50	50	47	43	37	35	35	37
					3	77.1	31	32	38	44	56	75	54	55	62	54	62	61	54	48	49	62	65	65	65	57	60	56	57	52	50	45	46	37	36	36	
					4	77.8	33	33	38	42	55	75	56	53	65	55	65	60	53	54	48	60	65	66	67	59	60	56	57	56	51	50	47	44	38	37	37
					5	77.5	30	36	38	42	56	75	56	52	65	52	65	61	53	53	46	58	64	66	67	55	60	55	57	53	53	49	46	48	38	36	37
				6	1	79.5	31	41	47	47	59	77	57	57	65	57	66	63	57	54	51	67	67	67	65	61	61	55	57	55	53	49	47	45	40	40	41
					2	74.6	30	29	42	42	50	72	56	53	62	53	63	59	57	57	45	54	57	60	62	56	55	55	51	51	48	45	42	39	33	32	32
					3	74.0	29	37	36	42	53	71	51	56	56	49	59	59	55	48	46	61	61	62	64	54	58	50	53	49	47	45	39	42	35	32	32
					4	74.9	28	34	39	44	53	72	53	54	60	51	60	57	52	52	44	61	63	64	64	54	58	53	53	52	48	44	40	43	33	32	31
					5	74.5	34	32	41	41	52	72	53	53	60	50	62	58	52	54	42	55	61	61	64	54	54	53	51	50	49	44	39	40	33	31	32
				7	1	94.7	42	43	55	58	68	83	63	57	70	75	90	79	71	88	78	86	85	80	80	73	71	68	69	72	66	65	63	62	57	56	57
					2	95.6	40	41	57	58	70	85	67	58	72	72	89	78	72	90	78	88	84	81	81	76	72	69	70	69	66	68	63	64	58	56	57
					3	95.4	39	41	56	57	69	85	65	57	72	72	90	81	71	90	77	87	85	79	81	72	70	69	70	70	68	65	63	63	57	55	55
					4	95.1	39	41	57	56	69	85	66	56	72	72	89	81	71	88	77	89	84	79	80	74	70	68	71	69	66	68	62	64	57	54	56
					5	95.3	38	41	57	58	69	81	60	57	71	73	89	78	71	89	79	89	85	80	83	75	71	67	69	69	67	64	63	62	58	56	57
				8	1	93.3	42	48	58	59	68	79	57	59	69	73	88	78	70	88	77	85	82	78	77	74	70	69	67	67	65	62	61	62	58	57	56
					2	95.6	40	46	59	58	72	85	67	58	71	73	90	79	70	89	77	88	84	81	80	74	72	70	70	70	68	66	64	63	60	60	54
					3	94.2	38	45	58	56	69	84	66	56	69	72	89	80	68	88	76	85	82	78	79	72	69	69	69	68	67	66	63	63	60	58	55
					4	94.4	39	44	61	60	71	84	64	56	69	71	89	78	69	88	74	87	83	80	80	73	70	68	69	70	66	64	62	64	57	59	54
					5	93.9	39	43	61	58	70	84	67	55	70	70	88	77	68	87	75	87	81	80	79	74	72	69	69	69	67	64	63	61	60	58	54
				9	1	93.2	42	43	55	56	67	81	62	56	69	71	88	79	69	86	74	85	84	79	79	74	69	68	71	70	64	63	60	61	57	56	58
					2	95.3	39	43	57	59	69	80	60	58	69	72	90	79	69	8																	

TABLE XV.- SUMMARY OF ONE-THIRD OCTAVE BAND SOUND PRESSURE LEVELS FOR THE STANDARD OH-6A HELICOPTER (CONFIGURATION A)

AS MEASURED ON TRACK AND Laterally FOR VARIOUS FLIGHT CONDITIONS, ALTITUDES, AND FORWARD SPEEDS - Continued

Date	Flight condition	Altitude, meters	Airspeed, knots	Microphone position	Flight	One-third octave band sound pressure levels, dB, for frequencies, Hz, of -																																
						Overall	10	12	16	20	25	32	40	50	63	80	100	125	160	200	250	320	400	500	630	800	1000	1250	1600	2000	2500	3200	4000	5000	6300	8000	10000	
11-8-69	Level (658 kg)*	30	40	11	1	74.8	34	36	37	46	53	70	51	57	62	55	64	61	52	56	54	64	65	62	58	61	59	58	57	55	52	50	48	47	43	43	44	
					2	74.8	28	37	36	42	52	71	51	58	61	55	63	61	55	56	50	63	64	64	60	58	60	55	57	55	52	49	47	46	41	40	41	
					3	74.9	35	39	36	40	52	72	54	56	60	52	62	61	54	52	50	62	63	64	57	59	61	54	55	52	50	49	46	45	40	40	39	
					4	75.3	28	31	36	45	52	72	53	57	59	53	64	62	53	55	53	64	65	64	59	61	61	57	56	55	54	51	47	43	39	36	35	
					5	75.0	27	24	39	45	52	72	53	57	62	52	62	61	56	55	50	62	62	62	58	57	60	55	58	55	50	48	46	44	39	37	36	
				12	1	70.9	32	31	35	39	50	68	51	53	57	49	56	58	53	53	47	50	57	58	60	53	53	55	50	51	47	45	43	42	38	39	41	
					2	72.6	28	38	39	45	50	70	51	54	60	54	60	57	53	62	50	51	54	58	60	57	53	54	53	50	49	47	43	43	37	35	35	
					3	71.9	33	35	37	42	49	69	52	54	59	51	59	57	52	60	48	50	57	59	60	58	53	53	54	49	50	47	43	42	36	35	36	
					4	72.7	31	26	35	42	51	69	50	53	60	54	59	57	53	63	49	50	58	61	61	57	55	56	52	52	49	47	46	43	36	35	36	
					5	73.3	29	36	32	42	52	71	52	53	60	51	61	58	53	62	49	51	53	59	61	59	53	56	53	50	48	44	42	41	35	35	37	
				13	1	93.8	43	43	57	56	68	83	63	58	70	72	88	81	70	87	75	85	82	80	80	75	72	69	69	68	67	64	62	59	58	59	60	
					2	95.5	41	46	59	60	72	86	67	58	72	73	90	80	70	89	78	88	84	81	82	77	73	70	70	69	66	64	64	60	58	60	58	58
					3	94.5	40	40	55	58	69	84	63	57	70	73	89	78	69	88	76	86	84	81	81	74	71	70	69	69	66	64	61	61	57	57	58	
					4	94.0	39	41	58	59	70	83	64	55	69	72	88	79	69	87	76	87	82	81	81	74	70	68	70	67	64	62	56	59	58	58		
					5	94.8	40	42	60	57	70	85	67	56	72	73	88	80	69	89	77	87	83	80	81	76	73	70	69	68	66	64	63	58	58	59		
		60		1	1	93.8	39	40	55	57	70	86	66	59	67	72	88	69	67	75	86	83	78	79	73	69	67	68	67	63	62	59	58	57	58	58		
					2	93.3	37	41	54	57	71	85	68	57	67	69	87	77	67	87	76	86	81	79	78	70	66	65	66	66	65	63	60	59	56	59	58	
					3	93.9	39	42	57	58	71	86	67	55	66	70	88	78	68	87	75	86	82	78	72	68	68	68	67	64	62	58	58	56	59	58		
					4	93.5	40	44	55	57	70	85	66	55	67	70	87	79	69	87	75	87	81	78	78	72	68	67	66	67	65	62	58	58	56	59	58	
					5	94.1	41	46	57	58	72	88	71	55	70	69	88	78	67	87	76	86	81	79	78	72	70	67	68	68	66	65	62	59	57	59	58	
				2	1	94.8	39	42	56	59	72	87	68	60	68	72	89	78	68	87	76	86	83	81	80	73	70	66	68	68	64	65	60	58	57	58	55	
					2	94.0	39	43	56	58	71	87	70	55	68	68	77	79	67	87	76	86	82	79	79	72	68	66	68	68	64	68	62	61	57	56	54	
					3	94.1	39	44	58	58	71	86	67	54	64	70	88	77	69	87	76	86	83	79	80	74	68	67	68	68	65	64	58	59	56	54		
					4	93.9	38	41	57	54	70	87	72	56	69	66	88	79	67	87	75	85	81	77	76	69	67	67	67	67	65	68	62	59	58	57	54	
					5	94.3	42	45	58	60	71	86	66	56	64	71	88	80	69	88	76	86	84	80	79	73	68	67	68	69	64	64	58	60	56	57	53	
				3	1	94.1	41	44	59	55	69	87	71	57	70	70	88	78	68	87	76	86	82	79	77	72	67	67	68	68	65	64	61	57	58	57		
					2	93.2	41	44	56	57	70	86	67	55	65	69	86	79	67	87	74	85	82	78	72	68	68	69	69	65	65	62	59	57	59	58		
					3	94.1	40	43	55	56	72	87	69	55	68	70	88	79	67	87	74	86	82	80	77	72	66	67	68	68	64	65	61	61	58	59	57	
					4	93.1	40	44	57	60	70	83	64	53	63	70	87	76	67	87	75	86	80	80	78	72	68	65	70	70	65	64	62	60	57	59	57	
					5	93.9	44	44	55	55	70	87	71	56	70	68	88	79	67	87	74	86	81	78	77	72	68	68	67	68	64	64	62	62	56	59	57	
				4	1	86.3	32	36	43	52	67	85	64	59	69	59	61	62	67	77	66	66	72	71	75	68	68	65	66	64	63	58	56	57	54	55	52	
					2	87.5	36	41	43	55	68	86	65	60	70	54	60	65	71	69	63	69	72	72	78	71	68	66	64	63	61	59	56	57	54	57	52	
					3	87.3	36	38	45	52	67	86	66	58	66	55	61	68	70	65	68	74	70	77	67	67	66	66	66	63	58	56	56	53	56	54		
					4	86.2	41	40	43	52	65	85	65	58	63	55	55	64	68	72	66	66	71	70	75	67	66	65	66	66	63	60	56	56	54	57	53	
					5	86.1	36	42	45	54	68	85	63	57	70	58	56	58	64	72	71	72	69	68	67	65	64	62	59	56	57	54	55	52	55	52		
				5	1	80.1	34	38	41	45	45	66	61	48	58	56	77	76	49	53	53	50	51	55	55	50	48	44	47	44	42	38	33	33	31	33	35	
					2	78.7	33	32	44	44	57	77	59	53	64	56	64	61	52	52	54	68	66	63	59	62	59	60	59	57	55	52	48	46	40	37	37	
					3	78.4	32	34	43	43	56	77	58	53	65	64	60	54	52	49	64	65	65	62	61	59	61	57	56	54	51	48	47	41	38	37		
					4	77.7	32	33	42	42	54	76	59	52	65	53	62	61	54	54	49	64	64	63	61	59	60	58	56	55	52	47	46	40	39	36		
					5	77.9	35	35	44	46	56	76	57	53	65	56	65	61	54	54	47	62	64	65	60	61	58	57	56	55	52	47	47	39	38	36		
				6	1	81.6	31	39	42	47	46	65	59	52	55	55	80	75	54	56	55	49	48	51	52	48	46	42	43	39	39	35	32	32	29	31	32	
					2	75.8	33	32	36	44	53	73																										

TABLE XV.- SUMMARY OF ONE-THIRD OCTAVE BAND SOUND PRESSURE LEVELS FOR THE STANDARD OH-6A HELICOPTER (CONFIGURATION A)
AS MEASURED ON TRACK AND Laterally for Various Flight Conditions, Altitudes, and Forward Speeds - Continued

Date	Flight condition	Altitude, meters	Airspeed, knots	Microphone position	Flight	One-third octave band sound pressure levels, dB, for frequencies, Hz, of --																															
						Overall	10	12	16	20	25	32	40	50	63	80	100	125	160	200	250	320	400	500	630	800	1000	1250	1600	2000	2500	3200	4000	5000	6300	8000	10 000
11-8-69	Level (653 kg)*	30	60	8	1	93.5	41	43	56	55	68	87	71	56	71	67	88	80	68	87	75	85	80	77	76	72	69	67	66	67	64	65	62	61	58	59	55
					2	93.0	37	42	57	57	70	84	67	56	66	70	87	77	67	87	75	86	81	78	76	71	67	65	67	67	65	66	60	60	57	57	53
					3	93.3	39	43	57	57	70	86	72	57	71	68	87	80	67	87	76	85	80	77	77	72	69	66	67	67	65	67	64	61	58	57	54
					4	93.4	40	43	57	54	70	87	72	56	72	67	87	81	67	87	76	84	81	75	76	69	67	66	66	67	65	68	64	62	58	58	54
					5	94.2	40	41	58	59	71	86	67	53	65	70	88	79	68	88	75	86	83	80	79	71	69	69	69	68	66	65	61	58	58	54	
				9	1	93.5	38	38	53	54	67	85	66	55	67	70	87	77	68	86	74	87	82	81	80	73	68	67	68	67	65	63	58	58	54	56	53
					2	93.1	38	38	52	54	69	85	68	53	70	67	86	78	66	86	75	87	80	77	78	70	68	66	67	67	65	65	60	58	55	56	55
					3	92.8	38	38	54	52	67	86	71	56	70	67	87	79	68	86	75	84	80	76	74	70	66	65	64	66	63	63	61	60	56	55	53
					4	93.6	39	40	52	53	68	84	66	53	67	68	88	82	68	87	75	86	82	79	77	72	68	68	68	67	65	64	61	62	55	57	54
					5	93.9	39	40	54	55	70	84	67	53	67	70	89	77	68	87	75	87	83	80	79	71	69	67	69	71	66	67	60	61	56	57	54
				10	1	83.4	38	36	41	47	50	78	69	54	74	66	74	71	53	63	60	75	73	69	61	65	62	63	59	58	61	57	55	52	47	45	47
					2	82.7	33	38	48	46	51	77	69	56	73	67	72	68	54	54	54	74	75	72	60	61	58	60	58	60	58	55	56	55	44	45	
					3	83.3	32	34	36	48	51	78	69	56	74	67	73	68	55	53	53	74	75	73	61	63	61	63	60	59	56	55	51	50	45	44	44
					4	83.9	34	32	38	47	53	79	70	55	75	68	74	68	56	56	57	76	74	72	59	63	60	62	60	58	56	52	50	47	45	46	
					5	84.4	31	35	49	47	52	79	69	55	75	68	75	70	56	53	54	75	76	73	64	65	64	63	61	59	58	57	53	52	49	47	47
				11	1	76.7	28	31	32	42	41	67	62	52	55	54	73	71	49	53	54	53	55	60	58	54	53	50	48	48	47	40	36	32	32	34	35
					2	75.3	31	37	38	43	51	69	52	57	61	55	61	62	51	52	54	56	67	64	58	65	63	60	59	57	55	51	49	47	41	39	37
					3	75.4	30	38	38	43	50	69	54	54	62	56	64	63	51	52	52	65	68	64	60	64	62	60	58	56	55	49	48	45	41	38	37
					4	75.7	33	36	38	44	46	70	61	52	64	57	70	65	52	61	56	55	61	61	62	61	52	52	56	51	52	47	42	37	34	34	36
					5	75.8	28	36	45	46	48	70	57	53	66	57	69	62	53	56	52	64	63	63	65	56	60	61	56	57	55	51	49	44	39	36	36
				12	1	77.0	28	32	34	43	44	65	60	49	59	56	74	72	50	55	55	56	51	52	49	49	49	46	44	42	44	42	35	34	33	35	
					2	73.0	29	32	30	43	51	70	52	53	61	53	59	61	53	55	48	53	59	60	61	60	58	57	56	54	51	49	47	41	39	37	
					3	73.7	37	37	39	44	51	69	51	53	62	53	61	60	54	64	51	52	60	61	63	61	56	59	57	54	53	47	46	42	39	36	37
					4	73.3	36	37	39	45	51	69	51	51	61	53	59	60	55	63	52	53	60	62	63	58	56	59	54	54	48	47	45	43	37	35	36
					5	73.4	33	41	43	41	52	70	51	54	62	53	61	60	56	62	53	53	60	60	61	60	57	56	56	53	51	49	47	43	37	36	36
				13	1	93.6	39	40	52	55	69	86	67	56	70	70	88	76	68	87	74	85	82	79	78	71	70	69	69	68	66	63	62	60	56	58	57
					2	93.4	39	40	56	58	69	84	65	53	65	69	88	78	68	87	75	85	81	77	79	74	68	67	66	67	68	64	62	62	57	59	58
					3	93.1	39	39	53	52	69	86	70	55	71	69	88	79	66	86	74	83	79	76	78	72	69	69	68	68	68	67	64	63	58	58	59
					4	93.4	39	41	56	56	70	86	70	56	71	68	88	79	65	86	75	85	80	77	77	70	69	68	68	69	67	67	65	62	57	58	57
					5	95.0	38	44	59	58	72	87	69	56	67	71	89	80	69	88	76	87	83	79	81	73	70	69	69	71	70	66	66	62	56	57	58
		85	60	1	1	93.8	40	40	55	52	69	88	76	64	72	67	86	81	71	87	79	84	81	78	76	72	68	69	67	64	62	64	61	59	57	59	55
					2	93.5	39	42	55	55	68	87	74	55	71	68	87	79	67	87	78	85	81	77	77	72	71	67	69	68	65	66	62	59	58	60	57
					3	93.7	39	43	55	53	70	87	71	55	72	69	87	80	67	87	76	85	80	77	78	72	70	68	69	66	64	63	60	59	58	60	57
					4	89.9	54	43	53	59	68	81	58	56	62	72	85	75	67	82	72	81	78	77	75	72	69	65	66	67	64	60	58	59	56	57	55
					5	93.4	42	43	53	58	70	86	69	55	70	71	87	78	69	87	75	85	80	78	79	72	72	70	69	66	65	63	61	59	57	58	58
				2	1	93.6	39	43	53	57	70	87	71	67	71	69	88	79	68	86	74	85	81	79	78	70	69	67	69	67	64	67	61	59	57	56	54
					2	93.9	38	43	55	55	70	88	76	57	72	66	87	82	70	87	79	84	81	77	76	71	71	68	67	66	63	68	63	61	57	56	53
					3	93.5	40	41	55	55	67	88	78	58	70	66	87	82	70	85	79	84	79	77	76	69	69	68	67	64	62	63	61	59	57	56	53
					4	93.4	38	42	56	52	69	87	75	56	72	66	87	81	72	86	78	85	80	76	75	71	69	68	66	63	61	64	61	59	57	56	53
					5	93.6	40	45	53	58	71	87	70	55	70	70	88	78	69	87	75	83	81	79	80	72	69	68	68	66	67	61	60	57	57	55	54
				3	1	93.4	39	39	54	55	70	88	76	67	71	68	86	80	69	86	78	85	81	77	78	70	69	67	67	66	63	63	62	60	57	57	56
					2	93.5	40	41	53	58	72	88	71	55	69	69	87	78	67																		

Date	Flight condition	Altitude, meters	Airspeed, knots	Microphone position	Flight	One-third octave band sound pressure levels, dB, for frequencies, Hz, of -																																	
						Overall	10	12	16	20	25	32	40	50	63	80	100	125	160	200	250	320	400	500	630	800	1000	1250	1600	2000	2500	3200	4000	5000	6300	8000	10 000		
11-8-69	Level (658 kg)*	30	85	5	1	89.9	33	38	44	47	59	79	62	65	64	57	64	63	52	54	61	70	70	64	63	66	61	61	61	58	57	52	49	46	42	39	36		
					2	80.4	33	29	37	46	61	78	58	54	66	59	64	61	51	51	54	62	69	69	63	65	65	62	61	61	57	56	53	50	50	41	39	38	
					3	80.4	30	36	43	46	58	78	60	57	62	66	65	55	53	53	61	62	66	62	63	62	60	61	61	57	56	53	50	50	43	41	37		
					4	80.7	33	41	43	47	60	79	60	55	66	57	63	59	52	56	64	69	65	61	64	65	63	61	60	59	57	51	48	47	42	42	41	38	
					5	80.9	34	35	40	46	57	78	62	55	66	56	66	59	52	58	65	62	70	65	63	68	62	65	63	60	57	57	55	51	49	43	41	38	
				6	1	77.5	30	35	33	41	53	74	61	64	64	54	63	60	56	54	53	63	65	65	64	62	63	59	59	56	54	50	47	43	38	35	32		
					2	77.4	33	30	41	47	58	75	54	51	61	55	63	62	53	50	56	66	67	65	64	63	62	59	56	56	55	52	48	45	37	35	32		
					3	77.3	30	35	41	46	54	74	59	55	63	55	65	62	57	56	52	61	66	66	65	60	62	58	56	55	51	45	44	36	33	33			
					4	77.6	30	39	44	46	55	74	60	55	66	56	65	61	57	53	56	65	65	64	64	62	64	59	60	57	52	53	48	44	38	35	33		
					5	77.7	24	36	42	46	59	75	54	54	62	56	63	62	52	47	55	64	64	67	65	63	64	60	59	60	54	52	45	42	36	33	32		
				7	1	94.3	39	38	50	49	66	86	76	63	73	68	88	83	69	87	80	86	83	79	76	73	70	69	67	69	64	66	64	62	56	55	55		
					2	93.8	39	38	52	52	67	86	73	55	73	68	87	81	66	88	79	85	81	77	76	71	70	68	67	66	66	62	57	55	55	55	55		
					3	94.2	38	37	49	53	67	87	76	57	73	68	88	81	69	87	81	86	81	77	76	72	71	68	65	67	65	67	65	63	58	57	55		
					4	93.7	39	38	52	54	68	86	70	54	72	70	87	79	68	87	77	87	81	78	77	71	70	67	68	67	66	67	66	62	58	57	55		
					5	94.3	38	39	52	55	67	86	72	54	73	69	89	81	68	87	78	87	80	78	78	73	72	70	68	68	66	66	63	62	56	56	56		
				8	1	93.3	39	43	56	55	69	86	73	62	73	67	87	81	69	87	78	84	81	77	77	69	69	66	68	68	66	66	61	61	57	57	53		
					2	92.6	38	39	55	57	70	86	70	55	69	86	78	66	86	75	83	80	77	77	77	72	71	66	68	68	66	67	62	61	58	59	53		
					3	93.7	37	44	55	54	67	87	77	59	72	68	87	82	69	87	79	84	81	76	75	70	71	69	69	66	64	67	64	62	59	58	54		
					4	93.4	39	40	55	54	68	87	75	57	71	68	88	82	70	86	78	84	79	76	76	71	70	69	67	66	65	66	65	62	59	59	53		
					5	92.7	40	44	53	55	68	86	69	54	71	69	87	76	67	86	74	84	80	77	78	72	70	69	68	67	66	67	63	59	57	57	53		
9	1	93.1	38	39	51	53	67	86	72	58	71	68	87	80	65	86	77	85	80	77	77	72	69	68	67	67	64	62	59	58	54	56	52						
	2	93.1	37	39	52	52	67	86	72	56	71	67	87	80	68	86	77	84	81	76	74	71	71	69	68	67	64	63	60	59	55	54	53						
	3	93.6	38	40	52	53	68	86	71	54	71	68	87	78	68	86	76	87	81	80	79	73	72	69	68	69	67	65	62	60	55	56	55						
	4	92.9	38	38	51	52	66	86	76	57	71	66	87	82	71	85	80	83	80	76	76	71	69	68	67	66	63	63	59	59	55	56	54						
	5	92.6	38	41	52	53	67	86	73	55	71	67	86	81	68	86	78	84	79	77	75	72	69	66	66	64	63	62	59	59	55	55	54						
10	1	86.2	31	34	47	49	54	78	77	65	74	74	72	71	55	67	72	80	76	75	69	67	67	66	66	63	61	59	56	53	49	47	46						
	2	86.4	36	34	41	49	52	77	76	55	74	74	71	72	55	67	71	81	76	77	71	68	66	60	60	60	60	56	52	50	49	47	46						
	3	87.0	39	45	44	47	53	78	77	55	75	74	72	72	56	70	75	82	75	75	70	68	69	68	67	64	63	62	57	55	52	51	50						
	4	86.4	37	34	48	50	50	77	77	56	73	75	70	72	56	65	70	80	77	78	70	69	67	65	64	62	61	60	57	52	51	49	49	50					
	5	86.1	37	36	44	51	53	79	76	55	74	73	70	70	53	72	76	80	73	71	73	67	68	63	58	61	63	62	61	57	54	51	48	48	50				
11	1	78.3	31	34	39	45	48	73	66	61	66	61	70	66	57	56	56	67	67	67	64	58	63	58	61	57	55	49	46	40	37	35	36						
	2	78.1	35	41	43	46	46	72	65	51	66	60	69	67	56	57	56	67	68	67	65	61	64	62	62	59	57	53	49	47	40	40	40						
	3	78.6	34	34	44	46	48	72	69	51	68	65	69	70	58	56	59	63	61	66	69	63	58	62	57	60	55	54	49	44	41	38	39						
	4	78.3	34	28	39	44	47	72	67	52	67	63	69	69	55	57	59	60	67	69	65	58	62	60	60	58	56	52	49	45	40	39	40						
	5	79.0	30	37	41	49	50	72	66	53	67	62	68	68	57	59	60	63	69	70	67	62	65	64	65	58	58	54	50	45	42	40	42						
12	1	76.2	36	38	45	45	50	67	63	68	59	54	62	68	62	54	58	65	67	66	63	62	60	58	55	51	47	46	39	35	36								
	2	74.8	36	38	41	42	43	65	56	53	63	56	60	63	58	64	57	57	63	65	67	61	60	63	58	56	51	50	46	43	39	35	36						
	3	75.1	35	37	43	43	45	69	63	51	62	59	67	66	58	57	56	59	60	62	62	60	62	62	55	54	50	48	42	38	35	36							
	4	75.9	28	37	44	44	46	69	67	50	63	62	67	68	54	62	65	59	57	59	61	61	61	57	51	48	54	47	44	38	35	34	36						
	5	75.0	31	34	41	47	48	70	63	51	62	59	66	66	56	60	61	56	59	61	61	62	62	59	53	53	54	50	46	44	36	34	35	35					
13	1	94.3	40	42	52	53	70	88	75	63	74	69	88	82	68	86	79	85	81	78	77	73	72	71	67	67	68	67	64	61	58	59	58						
	2	94.1	41	43	53	56	70	87	71	55	71	70	88	80	68	87	76	85	82	79	78	74	71	70	69	69	69	68	65	61	58	59	57						
	3	94.1	40	38	53	55	69	88	77	58	73	67	88	82	69	87	78	85	80	77	77	73	70	70	69	69	67	67	66	63	58	58	59						
	4	92.9	39	42	54	56	69	86	68	53	70	71	86	78	67	86	75	85	80	77	78	72	70	69	69	69	68	66	64	63	57	57	57						
	5	93.7	40	40	53	53	69	88	75	58	73	69	87	81	71	86	78	84	80	76	77	72	71	71	68	67	68	66	64	63	58	60	57	57					

*Take-off gross weight.

TABLE XVI.- SUMMARY OF ONE-THIRD OCTAVE BAND SOUND PRESSURE LEVELS FOR THE MODIFIED (FOUR-BLADE TAIL ROTOR) OH-6A HELICOPTER
(CONFIGURATION B) AS MEASURED ON TRACK AND Laterally for Various Flight Conditions, Altitudes, and Forward Speeds

Date	Flight condition	Altitude, meters	Airspeed, knots	Microphone position	Flight	One-third octave band sound pressure levels, dB, for frequencies, Hz, of -																																	
						Overall	10	12	16	20	25	32	40	50	63	80	100	125	160	200	250	320	400	500	630	800	1000	1250	1600	2000	2500	3200	4000	5000	6300	8000	10000		
10-31-69	Level (658 kg)*	61	40	1	1	80.4	37	43	53	70	73	53	58	59	60	62	73	74	59	63	63	62	71	68	66	63	59	60	56	55	55	52	50	49	45	43	45	43	
					2	80.1	48	46	54	73	69	48	53	53	61	63	73	72	58	63	63	71	70	67	66	60	58	57	56	55	51	53	48	46	46	46	45	45	
					3	80.1	45	47	51	72	65	50	54	53	56	62	72	72	60	59	62	73	66	68	68	63	59	57	57	55	49	50	48	46	46	47	47	47	
					4	80.1	42	52	51	72	66	55	56	54	55	67	75	72	61	62	58	71	66	66	64	61	58	56	58	54	49	51	49	46	44	45	45	45	
					5	80.4	38	38	54	73	68	53	55	55	54	66	76	71	61	61	60	70	69	68	66	62	58	56	56	53	50	50	48	45	45	45	45	45	
				2	1	80.8	41	51	54	73	71	52	56	57	64	67	73	72	59	66	63	71	70	66	68	61	60	58	55	52	53	50	46	42	43	41	41	41	
					2	81.4	48	52	53	75	71	50	53	54	57	67	74	71	63	64	64	72	72	68	66	61	61	58	56	55	51	53	50	46	44	44	41	41	
					3	80.4	39	48	52	74	69	53	58	55	55	64	72	72	57	61	61	71	69	70	66	62	58	57	57	55	52	52	50	47	44	43	42	42	
					4	80.3	46	55	51	73	72	56	54	56	57	66	73	71	60	64	63	62	69	68	65	65	59	58	56	55	54	51	50	47	45	42	41	40	40
					5	80.7	41	52	51	74	70	53	52	54	55	64	73	71	61	65	63	71	72	67	67	61	58	56	55	55	52	53	49	45	43	44	41	41	
				3	1	80.3	47	46	50	73	70	53	55	53	62	62	72	70	59	63	63	70	72	66	68	62	60	59	58	57	56	54	52	49	46	44	47	47	
					2	81.4	48	41	53	74	70	51	50	53	59	69	75	72	60	67	63	70	70	69	66	63	59	57	57	56	54	56	53	49	49	48	48	49	
					3	80.8	45	43	51	75	70	52	57	54	57	65	74	72	59	67	60	70	69	67	67	63	59	58	57	56	53	55	51	48	48	46	46	49	
					4	79.7	40	48	51	73	68	53	49	52	56	66	72	72	58	62	68	70	66	64	61	56	57	58	54	52	54	50	47	46	47	46	48	48	
					5	79.6	45	51	47	73	69	53	54	54	60	62	73	70	59	63	61	67	69	67	67	61	58	58	56	56	52	53	51	46	46	44	45	45	
				4	1	80.0	38	47	51	76	73	52	52	51	52	53	65	71	65	58	64	65	67	66	65	59	60	58	55	55	54	55	54	48	47	50	52	52	
					2	80.1	43	48	53	76	72	48	54	54	50	52	67	71	63	64	62	66	68	65	65	62	60	57	56	54	52	52	50	48	46	47	49	49	
					3	79.6	39	45	54	76	72	50	54	55	51	52	67	68	65	56	62	64	68	65	66	61	59	58	56	55	51	51	49	46	47	49	49	49	
					4	79.6	40	52	52	75	72	55	50	55	48	55	66	69	64	63	62	63	69	66	63	61	60	58	56	53	51	52	51	45	47	48	47	47	
					5	79.4	34	39	48	75	73	48	56	53	49	52	66	70	63	53	61	65	67	64	63	60	59	55	55	53	52	54	52	47	46	47	47	47	
				5	1	71.0	43	43	42	67	63	46	56	58	56	48	47	46	49	51	58	58	52	59	56	53	51	48	47	47	44	44	39	37	35	36	34	34	
					2	71.1	37	45	47	67	65	47	50	56	55	48	49	45	51	52	55	59	53	58	54	54	54	47	46	46	45	43	39	37	35	34	33	33	
					3	71.0	39	43	43	67	64	47	54	54	55	50	47	45	49	53	56	57	53	60	55	54	53	48	47	46	45	43	41	37	33	34	35	35	
					4	71.0	44	47	39	68	63	48	57	56	55	48	45	49	53	55	56	53	56	58	55	53	49	49	47	45	43	43	39	34	32	32	32	32	
					5	70.9	39	39	46	68	65	48	52	53	53	50	48	46	52	53	54	54	56	56	55	53	50	47	47	45	45	45	41	36	34	36	32	32	
				6	1	67.8	40	37	43	61	61	47	44	54	53	48	52	51	43	46	52	59	56	55	56	49	50	48	43	43	42	40	36	32	32	32	32		
					2	68.2	32	42	43	64	60	48	49	57	55	50	51	48	42	47	54	59	54	52	54	48	47	44	43	41	40	39	37	34	32	32	32		
					3	67.5	40	52	43	63	59	45	53	55	51	49	51	49	43	48	52	58	54	54	54	49	48	44	42	41	41	39	36	32	30	30	31	31	
					4	68.3	46	46	44	62	61	50	53	57	51	47	53	51	44	47	54	59	53	53	56	51	49	47	47	45	51	50	41	36	33	30	31	31	
					5	68.0	35	44	48	63	61	50	47	53	52	47	50	48	45	48	54	57	51	54	57	49	47	45	45	43	42	42	39	34	31	31	30	30	
				7	1	81.4	43	37	49	72	67	49	54	54	57	64	75	74	60	63	61	74	70	69	66	64	59	58	58	57	56	54	53	49	46	43	44	44	
					2	80.8	42	44	51	73	69	50	56	54	60	68	74	70	61	66	62	70	71	66	67	62	59	58	58	56	52	54	53	46	46	43	42	42	
					3	81.1	42	45	53	73	68	48	56	54	56	65	74	71	60	64	60	74	71	69	65	63	59	57	58	57	54	53	53	47	46	43	43	43	
					4	81.0	40	50	48	72	68	51	50	56	57	66	76	74	63	63	60	71	70	66	66	62	58	56	55	55	52	51	51	46	46	42	41	41	
					5	79.8	40	48	52	72	68	50	50	52	60	63	72	71	61	63	62	69	71	67	68	63	59	58	56	55	52	53	52	48	45	43	43	43	
				8	1	81.2	42	43	52	74	69	50	54	54	52	67	75	72	61	65	62	72	70	66	66	63	59	57	58	56	53	51	50	46	46	46	42	42	
					2	80.9	47	50	51	74	70	53	52	53	56	63	75	72	62	64	63	71	69	66	67	62	58	57	57	56	53	54	50	47	46	44	41	41	
					3	80.7	42	43	52	74	71	47	52	54	57	68	74	71	59	64	63	70	68	65	65	62	59	58	57	56	54	53	50	48	46	44	41	41	
					4	79.6	39	48	52	70	69	53	52	58	59	62	73	73	59	62	61	70	68	64	66	59	59	56	54	55	51	50	48	45	43	42	42	42	
					5	80.2	42	51	53	73	71	52	53	56	53	64	73	72	60	65	61	70	70	65	66	60	59	58	56	57	52	53	51	46	45	43	42	42	
				9	1	80.6	39	35	43	70	64	47	56	52	59	66	73	73																					

Date	Flight condition	Altitude, meters	Airspeed, knots	Microphone position	Flight	One-third octave band sound pressure levels, dB, for frequencies, Hz, of -																																
						Overall	10	12	16	20	25	32	40	50	63	80	100	125	160	200	250	320	400	500	630	800	1000	1250	1600	2000	2500	3200	4000	5000	6300	8000	10 000	
10-31-69	Level (658 kg)*	61	40	11	1	70.3	38	42	43	63	56	42	58	57	53	52	50	48	49	51	59	62	52	61	60	57	57	48	49	46	45	43	40	37	35	35	36	
					2	70.6	39	46	44	64	58	50	58	57	52	50	51	48	49	52	57	62	62	61	61	57	55	51	50	48	46	46	43	40	38	37	37	
					3	70.4	42	51	44	64	58	52	60	57	50	48	50	46	50	54	59	61	51	61	57	56	55	49	48	46	46	46	46	43	40	36	37	38
					4	70.4	39	45	45	64	58	47	59	59	53	51	51	48	52	54	58	58	53	62	59	57	55	50	50	48	45	44	43	38	36	35	34	36
					5	69.9	39	40	39	63	57	52	59	59	56	49	48	50	54	54	58	57	56	60	57	56	52	51	49	47	46	48	44	40	36	36	36	
					12	1	68.5	44	45	43	60	56	45	51	58	54	50	57	57	46	46	56	62	57	52	57	50	51	45	45	44	44	44	42	38	35	36	37
						2	68.6	40	43	40	59	57	48	58	56	54	52	55	54	44	49	53	63	56	58	58	50	49	46	44	43	40	40	39	34	34	37	
						3	68.9	45	46	47	58	54	53	53	56	52	51	54	53	47	48	56	64	56	58	59	53	50	49	47	46	44	44	40	36	33	32	32
						4	68.8	37	44	48	60	56	52	58	58	52	49	54	51	45	48	55	62	53	59	59	52	49	48	46	44	40	40	37	35	30	31	33
						5	68.4	38	45	41	60	54	48	55	58	52	50	55	49	45	47	54	62	53	57	60	51	50	48	47	45	43	46	43	38	34	32	32
13	1	80.8	42	41	54	73	69	51	54	55	56	64	75	71	59	62	63	72	69	66	69	62	60	59	58	57	51	55	51	48	46	45	48	46				
	2	80.8	40	48	50	73	66	51	53	53	54	65	74	73	59	63	61	74	69	66	69	62	60	58	56	54	51	53	51	47	45	44	46					
	3	80.3	40	38	50	73	70	50	54	54	62	63	72	69	59	64	65	72	71	67	69	62	60	58	57	55	52	54	52	49	43	44	44					
	4	80.6	42	51</																																		

*Take-off gross weight.

TABLE XVI.- SUMMARY OF ONE-THIRD OCTAVE BAND SOUND PRESSURE LEVELS FOR THE MODIFIED (FOUR-BLADE TAIL ROTOR) OH-6A HELICOPTER
(CONFIGURATION B) AS MEASURED ON TRACK AND Laterally FOR Various FLIGHT CONDITIONS, ALTITUDES, AND FORWARD SPEEDS - Continued

Date	Flight condition	Altitude, meters	Airspeed, knots	Microphone position	Flight	One-third octave band sound pressure levels, dB, for frequencies, Hz, of -																															
						Overall	10	12	16	20	25	32	40	50	63	80	100	125	160	200	250	320	400	500	630	800	1000	1250	1600	2000	2500	3200	4000	5000	6300	8000	10000
10-31-69	Level (658 kg)*	61	60	8	1	79.4	43	52	53	71	63	46	55	52	54	63	73	71	57	61	60	72	68	68	64	62	57	54	54	54	50	51	49	46	44	44	41
					2	80.5	49	48	55	74	70	53	57	56	56	66	72	69	58	64	63	73	70	66	67	61	58	56	57	57	52	52	50	48	47	45	40
					3	79.7	41	43	55	73	72	49	53	53	61	63	69	70	59	64	62	70	69	65	66	60	58	56	56	57	53	53	51	46	46	43	41
					4	80.3	46	45	50	72	72	48	50	52	58	63	73	73	58	63	62	70	69	65	63	60	57	55	55	55	53	53	49	46	45	45	42
					5	80.5	45	48	52	72	63	46	59	54	55	63	73	72	60	61	60	74	68	67	66	63	58	56	56	55	52	53	50	46	46	44	42
				9	1	78.6	39	48	43	68	59	46	57	52	52	59	70	71	61	61	60	73	68	67	64	61	58	54	55	55	50	51	49	43	42	44	42
					2	79.6	41	43	48	70	65	50	56	52	55	62	72	71	61	64	61	73	69	67	64	62	57	54	55	54	51	50	48	44	44	42	42
					3	79.0	37	40	48	69	67	49	50	53	58	63	72	69	60	62	60	71	71	67	67	60	57	53	54	55	52	50	47	43	41	43	46
					4	78.9	35	43	51	70	64	49	54	51	55	61	70	70	59	62	61	72	71	68	64	61	56	53	54	54	51	49	47	44	43	45	43
					5	79.3	32	41	48	70	68	51	51	52	58	63	71	69	57	61	63	73	69	67	66	62	57	53	53	54	51	49	48	44	42	42	43
				10	1	76.9	38	40	44	62	61	49	63	62	53	54	65	70	66	56	62	67	68	66	65	62	59	58	55	55	52	52	51	46	45	46	48
					2	76.7	38	45	42	60	60	52	59	60	52	53	66	71	66	56	61	64	68	65	65	61	58	57	56	54	52	52	51	48	45	45	49
					3	75.9	36	45	48	64	69	51	58	62	52	50	65	69	64	59	58	65	63	60	63	60	59	58	56	54	52	52	51	46	44	44	45
					4	77.0	44	46	50	64	67	52	58	61	53	47	65	70	66	60	62	69	63	65	65	61	61	58	56	54	54	52	52	48	46	46	48
					5	77.0	34	51	45	64	66	52	60	61	55	54	68	70	66	55	63	66	67	63	64	61	59	58	56	54	53	51	52	47	46	45	47
				11	1	70.2	39	42	41	43	51	50	53	61	55	52	48	50	58	59	60	56	60	62	60	57	55	52	51	48	47	44	43	37	35	36	35
					2	69.9	43	44	44	48	54	54	54	57	49	48	51	52	52	56	60	61	55	63	59	60	56	53	52	49	46	49	47	42	36	34	34
					3	69.6	42	43	42	56	60	51	53	56	51	52	52	49	52	56	59	61	55	62	58	58	55	53	50	47	45	43	42	36	33	32	33
					4	70.1	44	50	48	56	59	48	55	57	54	51	54	52	52	55	58	62	55	61	59	59	57	54	50	48	45	44	37	32	32	33	33
					5	69.9	38	48	44	51	57	50	54	57	49	50	54	50	54	50	54	50	56	62	58	60	57	54	53	49	46	46	43	38	36	34	35
				12	1	68.9	37	49	49	51	54	50	52	60	56	50	55	53	45	50	56	63	57	57	60	52	50	48	47	46	43	43	41	38	32	31	32
					2	69.4	47	54	47	51	47	49	52	59	55	54	56	55	47	51	58	64	57	58	59	54	53	49	48	47	43	44	40	36	32	31	32
					3	69.3	44	52	46	54	50	47	52	61	54	53	56	54	46	51	55	63	56	59	54	54	49	46	45	44	40	36	31	32	32	32	
					4	68.7	46	47	47	50	45	49	49	60	51	51	54	53	46	51	56	63	57	58	60	53	52	49	48	46	47	44	42	37	33	32	33
					5	68.8	43	53	39	44	48	52	52	59	51	49	55	56	47	51	56	64	58	55	59	52	51	47	48	44	44	43	40	35	32	32	32
				13	1	79.6	45	42	49	72	65	51	57	54	55	63	72	72	57	62	62	72	68	67	65	62	59	56	56	54	50	54	51	45	44	43	45
					2	79.4	44	52	48	71	68	49	52	54	56	63	72	71	61	64	62	69	69	67	68	61	57	55	53	53	54	51	47	45	44	44	46
					3	79.1	44	48	50	71	67	48	56	54	58	62	72	70	60	63	62	70	70	66	66	61	57	55	55	56	52	53	51	45	44	43	48
					4	79.2	41	48	51	71	70	52	51	54	58	61	70	67	61	61	63	71	71	67	67	60	58	53	54	53	53	55	53	48	43	44	44
					5	79.6	38	48	46	71	65	49	56	56	56	60	73	71	58	62	60	73	69	66	64	62	57	56	56	55	50	53	50	46	43	44	48
		61	85	1	1	80.6	50	50	52	73	66	52	61	54	59	69	73	71	62	67	63	72	68	67	68	63	58	56	56	53	50	51	48	47	46	45	47
					2	80.5	46	50	49	69	72	53	56	57	59	63	73	73	63	66	63	70	69	66	69	63	58	56	54	52	51	51	47	45	45	46	47
					3	80.8	45	51	50	67	75	60	56	59	55	61	69	75	60	64	63	70	69	68	65	60	56	54	54	54	50	49	48	47	46	45	44
					4	80.1	35	43	48	66	76	58	54	58	63	60	67	74	61	62	61	69	69	65	66	62	57	54	55	53	48	47	49	44	44	45	44
					5	80.6	51	52	57	72	68	51	60	54	59	69	74	71	61	66	63	72	69	67	67	63	59	55	55	53	52	51	48	46	48	48	47
				2	1	81.6	46	49	46	71	76	55	54	57	58	64	73	73	62	65	64	72	71	68	68	62	58	54	54	55	52	49	47	46	46	44	40
					2	81.1	45	47	48	69	74	59	55	58	56	63	74	72	63	65	64	72	70	69	69	63	57	54	53	51	51	49	48	46	45	43	41
					3	80.7	45	48	50	70	72	54	54	56	57	64	72	74	60	66	64	71	70	67	68	62	58	56	53	54	53	50	47	47	45	45	42
					4	80.7	48	55	54	70	73	57	54	54	57	62	72	73	62	64	62	71	71	66	69	63	57	54	51	50	51	49	47	47	45	44	41
					5	80.6	51	51	54	71	74	54	53	56	59	66	69	72	60	65	63	70	71	66	68	62	59	55	53	54	51	50	48	46	45	44	41
				3	1	80.2	44	41	48	70	64	50	48	52	56	63	73	75	60	61	61	71	70	70	66	61	57	54	53	54	51	53	50	47	45	46	47
					2	79.6	45	49	57	69	71	56	57	56	57																						

TABLE XVI.- SUMMARY OF ONE-THIRD OCTAVE BAND SOUND PRESSURE LEVELS FOR THE MODIFIED (FOUR-BLADE TAIL ROTOR) OH-6A HELICOPTER (CONFIGURATION B) AS MEASURED ON TRACK AND Laterally FOR Various FLIGHT CONDITIONS, ALTITUDES, AND FORWARD SPEEDS - Continued

Date	Flight condition	Altitude, meters	Airspeed, knots	Microphone position	Flight	One-third octave band sound pressure levels, dB, for frequencies, Hz, of -																															
						Overall	10	12	16	20	25	32	40	50	63	80	100	125	160	200	250	320	400	500	630	800	1000	1250	1600	2000	2500	3200	4000	5000	6300	8000	10000
10-31-69	Level (658 kg)*	61	85	5	1	73.6	35	40	45	68	68	51	57	56	55	55	51	51	60	60	62	57	56	61	58	60	57	53	51	50	48	44	43	41	37	37	34
					2	69.2	35	35	41	65	62	47	53	53	49	50	49	48	51	57	57	55	52	57	53	53	48	47	45	43	42	39	36	34	29	29	28
					3	68.5	37	42	43	63	62	49	53	53	48	47	45	43	52	57	56	57	51	57	54	52	50	46	46	43	41	39	36	33	31	31	29
					4	73.5	41	49	50	64	69	53	54	58	58	54	53	52	58	60	63	61	57	63	58	58	55	51	50	47	46	43	39	36	35	33	33
					5	73.6	42	44	46	64	69	52	54	59	59	63	55	49	57	61	62	58	58	62	57	58	55	52	50	48	47	42	38	34	35	32	32
				6	1	71.3	37	48	46	61	66	52	50	57	51	52	53	50	55	60	61	60	56	61	54	55	49	49	46	43	42	38	37	33	30	30	30
					2	71.8	39	47	43	66	64	52	53	57	53	54	56	56	49	56	61	58	57	61	54	55	51	51	48	47	45	41	37	31	29	31	31
					3	71.8	47	49	52	66	64	52	56	57	52	51	54	52	48	56	59	62	59	57	62	55	55	51	50	47	44	43	40	36	31	31	31
					4	71.4	42	48	41	65	66	51	52	55	53	54	52	50	48	53	58	62	57	56	59	54	54	51	49	46	45	43	40	37	33	31	29
					5	72.5	43	47	48	61	65	55	54	59	60	66	59	55	51	52	59	62	60	56	60	53	54	52	50	49	45	43	38	34	31	30	29
				7	1	79.8	33	40	46	65	75	55	53	57	55	59	70	73	61	62	63	70	68	66	65	63	57	53	52	48	50	46	45	42	41	41	
					2	81.3	44	50	51	70	66	52	57	55	56	65	76	74	63	68	66	72	70	67	68	65	59	56	55	52	48	50	47	45	42	41	41
					3	81.																															

*Take-off gross weight.

TABLE XVI.- SUMMARY OF ONE-THIRD OCTAVE BAND SOUND PRESSURE LEVELS FOR THE MODIFIED (FOUR-BLADE TAIL ROTOR) OH-6A HELICOPTER (CONFIGURATION B) AS MEASURED ON TRACK AND Laterally FOR VARIOUS FLIGHT CONDITIONS, ALTITUDES, AND FORWARD SPEEDS - Continued

Date	Flight condition	Altitude, meters	Airspeed, knots	Microphone position	Flight	One-third octave band sound pressure levels, dB, for frequencies, Hz, of -																																
						Overall	10	12	16	20	25	32	40	50	63	80	100	125	160	200	250	320	400	500	630	800	1000	1250	1600	2000	2500	3200	4000	5000	6300	8000	10000	
10-31-69	Level (658 kg)*	30	40	1	1	84.8	45	44	54	77	78	54	62	61	65	70	76	75	65	70	66	75	73	70	72	65	63	62	60	56	57	56	52	50	51	51	54	
					2	84.7	48	47	58	77	72	52	56	54	63	70	78	76	63	68	65	77	72	71	69	66	64	62	60	58	56	57	56	52	53	53	55	
					3	84.5	51	55	58	77	74	57	57	56	61	67	78	75	66	68	66	74	74	71	70	66	63	63	61	58	56	58	54	52	53	54	57	
					4	84.3	51	54	52	77	75	55	57	56	70	71	76	73	65	70	68	74	73	70	72	68	65	63	61	60	56	57	55	52	52	53	54	57
					5	84.9	45	50	57	77	72	60	55	57	62	67	78	76	64	69	65	77	73	71	71	66	65	63	63	59	57	57	55	52	54	54	57	
				2	1	85.6	48	53	58	77	79	55	64	63	69	70	78	77	64	69	67	75	73	72	74	66	63	63	61	59	57	56	53	51	51	49	48	
					2	84.7	44	54	57	77	71	55	61	62	62	70	78	76	64	67	66	77	73	72	74	66	64	63	62	60	55	58	56	52	52	51	49	48
					3	84.4	47	47	56	76	72	52	53	53	62	65	77	76	60	67	65	77	73	73	70	66	62	62	61	59	57	58	55	52	51	50	49	48
					4	84.9	50	55	60	76	77	58	55	57	66	70	76	74	65	71	69	76	74	69	73	68	65	64	64	61	59	57	58	56	51	51	50	51
					5	84.5	42	47	50	76	69	55	57	52	59	67	79	75	62	65	64	77	72	72	70	67	64	61	60	60	56	58	56	51	51	50	51	51
				3	1	85.4	51	54	56	77	76	56	59	59	71	74	76	76	59	68	76	75	70	75	68	64	66	63	61	57	60	57	53	52	53	56		
					2	84.2	48	55	52	77	72	55	58	56	60	68	76	73	61	68	63	77	74	74	70	67	61	62	62	59	58	59	57	54	53	54	55	
					3	82.8	52	49	59	74	71	59	57	56	66	66	75	72	61	64	65	75	73	71	70	66	63	62	60	56	57	56	53	52	51	51	54	
					4	85.1	49	52	61	77	72	59	58	56	58	69	79	76	64	67	64	77	73	74	70	66	63	62	62	59	57	58	58	55	54	53	56	
					5	83.5	48	48	56	73	75	59	59	57	67	69	76	75	62	66	63	74																

*Take-off gross weight.

Date	Flight condition	Altitude, meters	Airspeed, knots	Microphone position	Flight	One-third octave band sound pressure levels, dB, for frequencies, Hz, of -																																
						Overall	10	12	16	20	25	32	40	50	63	80	100	125	160	200	250	320	400	500	630	800	1000	1250	1600	2000	2500	3200	4000	5000	6300	8000	10000	
10-31-69	Level (658 kg)*	30	40	11	1	70.2	39	50	46	58	53	50	55	57	54	55	62	58	48	46	57	64	61	57	54	56	50	50	50	47	46	46	44	41	39	40	41	
					2	70.3	41	50	50	60	55	51	59	56	53	55	60	57	51	48	56	63	62	56	55	51	59	51	50	50	46	44	46	43	39	36	39	39
					3	71.0	48	52	50	60	55	51	59	59	55	54	60	58	47	45	55	65	61	57	56	58	51	53	51	53	48	47	50	49	42	41	41	41
					4	70.4	38	52	43	59	56	47	56	60	61	61	60	56	50	44	53	62	58	56	54	55	52	50	48	45	44	44	42	42	39	37	38	39
					5	71.1	46	56	55	60	54	51	58	60	54	53	62	59	48	45	55	65	59	57	54	56	52	51	49	46	46	47	45	39	38	40	41	
				12	1	67.7	47	51	51	58	54	51	57	56	53	52	58	58	51	44	44	55	55	58	56	47	50	46	42	40	40	43	42	37	34	35	35	
					2	69.2	49	52	56	58	56	50	55	55	52	54	60	60	57	51	47	56	59	52	52	49	45	47	42	41	40	40	40	36	32	31	32	
					3	68.6	41	53	50	55	51	53	52	57	59	59	60	60	52	48	43	52	54	58	56	49	45	47	42	41	40	40	40	36	32	31	32	
					4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
					5	70.6	53	58	62	64	63	59	59	57	52	53	56	56	53	46	48	52	51	56	56	49	45	46	42	40	40	40	40	34	32	32	33	
				13	1	84.6	52	53	55	76	76	56	53	57	62	71	76	75	65	70	68	74	74	71	73	68	66	63	62	60	60	58	56	53	48	50	52	
					2	83.9	47	53	57	75	72	53	54	58	64	69	76	77	63	68	67	75	73	71	71	65	63	61	60	60	57	59	58	52	50	50	53	
					3	83.8	47	50	60	77	70	54	57	55	59	67	76	75	65	68	64	77	71	71	70	67	63	60	61	59	55	59	55	53	51	50	52	
					4	84.3	46	50	55	74	77	57	55	57	67	69	78	77	65	68	67	73	74	68	72	67	64	62	61	59	57	59	57	53	50	51	52	
					5	85.7	54	55	61	77	75	55	55	56	65	65	78	77	65	71	68	78	75	71	72	68	65	63	63	60	57	60	59	53	50	51	55	
11-8-69	Level (658 kg)*	30	60	1	1	86.6	46	46	57	77</																												

*Take-off gross weight.

TABLE XVI.- SUMMARY OF ONE-THIRD OCTAVE BAND SOUND PRESSURE LEVELS FOR THE MODIFIED (FOUR-BLADE TAIL ROTOR) OH-6A HELICOPTER
(CONFIGURATION B) AS MEASURED ON TRACK AND Laterally for Various Flight Conditions, Altitudes, and Forward Speeds - Continued

Date	Flight condition	Altitude, meters	Airspeed, knots	Microphone position	Flight	One-third octave band sound pressure levels, dB, for frequencies, Hz, of -																															
						Overall	10	12	16	20	25	32	40	50	63	80	100	125	160	200	250	320	400	500	630	800	1000	1250	1600	2000	2500	3200	4000	5000	6300	8000	10000
11-8-69	Level (658 kg)*	30	60	8	1	86.5	42	44	59	76	81	59	56	56	65	71	78	76	67	70	68	77	76	72	73	68	64	61	64	63	61	61	58	55	54	55	51
					2	86.7	45	45	60	77	77	55	61	57	64	68	81	78	66	68	68	78	76	73	71	70	65	62	63	63	59	60	57	54	55	54	52
					3	86.8	48	45	58	79	76	57	65	61	61	70	79	76	68	68	68	80	74	76	73	69	65	62	63	63	60	61	58	55	55	55	53
					4	86.4	47	43	58	77	75	55	63	60	61	68	79	75	65	69	68	80	77	74	74	69	64	60	61	62	59	60	57	54	54	53	52
					5	86.6	44	45	55	78	78	53	61	59	66	68	80	75	68	71	70	78	75	73	72	69	65	63	65	64	59	60	57	53	53	54	53
				9	1	86.9	41	41	55	77	76	55	64	59	63	70	79	77	68	68	69	79	78	75	76	70	66	63	63	64	60	60	58	53	51	54	55
					2	85.1	40	41	52	74	75	52	57	56	64	69	75	75	66	67	68	79	77	74	74	68	63	61	63	63	61	58	57	52	51	53	54
					3	86.6	37	38	57	76	78	56	61	59	66	70	78	76	65	69	71	80	77	73	75	70	66	63	64	63	61	60	58	52	52	53	57
					4	86.2	35	39	53	71	77	57	52	61	64	70	77	79	67	70	69	79	77	73	72	67	65	61	63	63	59	58	55	52	50	52	52
					5	86.0	38	41	51	74	77	55	56	57	67	69	78	79	66	68	68	77	76	72	72	68	64	62	63	63	60	59	56	52	51	52	52
				10	1	77.2	33	38	49	65	70	54	64	66	58	58	56	54	63	63	64	63	65	69	64	65	64	62	59	57	55	55	54	50	49	50	54
					2	77.7	34	42	47	64	70	53	60	64	57	58	61	58	63	66	68	67	64	69	63	66	65	62	60	56	56	55	54	50	49	50	54
					3	78.1	32	45	48	65	59	53	63	67	61	56	63	55	59	62	65	71	64	72	67	65	62	57	57	56	55	56	54	50	48	50	54
					4	77.6	38	44	44	65	58	51	59	65	59	56	51	55	63	64	67	68	68	71	66	65	63	60	59	56	54	50	48	49	55		
					5	77.5	39	41	46	65	67	50	62	64	60	56	58	59	67	65	64	61	68	67	68	65	63	62	60	58	56	55	54	49	48	51	55
				11	1	71.5	33	33	42	52	51	49	50	61	56	54	64	63	55	43	52	63	61	62	56	58	56	53	51	49	47	44	40	40	37	37	41
					2	70.8	35	40	33	55	57	51	51	55	56	56	62	62	54	46	50	63	62	60	56	56	51	51	50	46	45	46	41	35	35	37	
					3	71.7	31	39	43	53	54	54	53	61	56	53	61	63	57	45	49	63	61	63	60	58	57	52	49	47	48	44	39	35	36	37	
					4	71.5	30	37	40	51	49	48	49	58	54	55	64	62	54	44	54	64	62	62	57	58	57	54	50	47	46	45	42	40	37	36	37
					5	71.3	36	40	40	52	51	50	53	56	55	56	64	62	55	45	53	64	62	62	57	58	54	53	50	47	44	43	40	37	36	38	
				12	1	67.7	32	28	39	50	49	47	50	58	56	54	60	57	55	48	47	49	52	58	60	54	50	51	46	44	41	41	36	33	34	36	
					2	67.5	32	39	38	49	50	51	51	55	55	53	60	58	55	50	47	50	51	55	59	55	52	50	48	43	40	40	37	33	30	31	
					3	68.3	30	39	45	53	56	54	47	55	55	60	61	56	49	46	49	51	55	59	57	50	51	48	45	42	42	40	35	31	30	30	
					4	67.2	33	41	33	50	55	45	46	52	53	52	58	60	55	48	46	46	51	57	59	56	51	53	45	44	41	40	35	31	30	31	
					5	67.6	35	38	36	47	47	51	48	53	53	54	61	58	54	48	47	50	54	58	60	54	50	51	47	45	42	42	36	31	30	32	
				13	1	85.9	38	40	57	77	73	53	64	58	60	69	80	78	65	68	68	77	74	74	71	68	65	60	61	62	57	60	58	54	51	54	58
					2	87.3	45	43	58	78	78	53	65	59	66	70	79	78	65	70	70	80	77	74	74	70	66	63	64	63	60	63	60	55	54	55	58
					3	87.4	45	44	56	78	74	56	66	59	64	70	81	79	68	69	69	80	76	73	71	69	64	61	62	61	60	61	57	55	53	54	58
					4	85.9	44	40	54	77	73	56	66	58	58	67	79	77	65	66	66	80	75	74	70	68	64	60	61	61	59	60	55	54	51	53	56
					5	86.0	42	41	58	76	78	56	62	59	65	67	78	76	66	67	67	77	76	72	73	69	66	63	63	63	61	59	59	56	51	53	56
			85	1	1	87.7	52	56	56	76	77	60	60	63	63	68	82	79	68	70	71	78	78	74	75	69	65	61	60	60	57	57	55	53	52	56	56
					2	86.1	49	51	58	75	78	58	59	63	63	70	77	78	67	73	69	76	77	73	75	68	65	61	61	59	57	56	55	53	54	56	57
					3	86.0	49	49	55	77	76	58	58	60	61	70	79	78	64	69	68	77	75	73	74	69	63	58	59	57	55	53	53	52	55	57	
					4	85.9	52	50	56	77	74	57	61	60	62	69	76	77	66	70	68	79	75	74	74	70	65	61	60	60	57	57	54	53	53	57	58
					5	86.1	49	50	53	76	73	59	60	61	65	71	78	79	65	71	68	78	75	74	74	69	65	60	59	61	57	56	54	54	52	55	57
				2	1	87.3	44	52	53	72	83	61	58	65	60	66	76	81	71	66	68	76	77	73	72	69	64	60	60	59	55	59	55	53	52	51	49
					2	87.9	51	55	57	78	80	60	62	61	65	72	79	81	67	72	69	77	78	74	76	69	65	60	62	60	57	58	56	54	54	53	
					3	86.6	46	52	50	74	81	58	58	64	63	71	75	80	68	68	76	76	71	73	68	62	59	58	55	55	53	51	52	51	51	51	
					4	85.8	49	53	53	75	79	60	61	63	63	68	75	78	68	68	75	76	74	73	69	64	59	60	60	57	58	56	54	53	51	52	
					5	86.3	47	50	53	75	81	59	59	62	62	69	74	79	68	68	69	77	76	72	75	68	63	60	60	60	55	58	54	55	52	53	53
				3	1	86.8	49	53	53	76	79	61	58	58	61	72	79	79	68	73	68	78	76	72	74	70	64	60	59	61	59	58	56	55	53	55	59
					2	86.7	46	54	52	73	82	59	61	63	61	67	76	79	66	68	69	76	76	72	73												

TABLE XVII - SUMMARY OF ONE-THIRD OCTAVE BAND SOUND PRESSURE LEVELS FOR THE MODIFIED (TWO-BLADE TAIL ROTOR) OH-6A HELICOPTER
(CONFIGURATION C) AS MEASURED ON TRACK AND Laterally for various flight conditions, altitudes, and forward speeds

Date	Flight condition	Altitude, meters	Airspeed, knots	Microphone position	Flight	One-third octave band sound pressure levels, dB, for frequencies, Hz, of -																																
						Overall	10	12	16	20	25	32	40	50	63	80	100	125	160	200	250	320	400	500	630	800	1000	1250	1600	2000	2500	3200	4000	5000	6300	8000	10 000	
10-24-69	Level (658 kg)*	61	40	1	1	79.7	58	48	53	71	70	51	54	64	69	68	72	68	64	67	65	70	67	65	66	61	59	56	55	53	50	48	43	40	43	45		
					2	80.6	49	44	50	72	74	51	59	61	66	68	71	70	57	66	64	72	68	68	63	62	62	58	55	53	50	47	42	41	42	42		
					3	80.8	52	50	54	71	71	55	54	64	64	65	74	72	63	65	65	70	70	67	68	61	61	60	60	57	52	53	50	43	44	44	45	
					4	81.3	54	64	70	72	73	58	58	62	64	65	73	70	63	62	64	69	73	65	66	61	62	57	56	54	52	52	47	44	42	44	45	
					5	79.6	38	38	50	69	72	50	55	62	66	66	71	70	64	64	64	71	67	64	66	61	62	58	58	55	53	51	47	43	41	42	44	
				2	1	80.8	39	41	47	73	73	50	56	64	67	70	73	70	62	67	66	70	68	65	66	61	60	57	57	54	51	50	49	43	39	40	41	
					2	81.9	53	50	55	73	70	52	54	61	62	67	75	73	63	64	65	74	69	70	67	64	63	60	59	56	53	52	50	45	43	43	43	
					3	80.9	48	51	50	72	71	51	53	62	65	66	75	71	61	65	63	69	69	67	67	64	61	59	57	58	51	54	50	44	43	42	42	
					4	81.0	49	46	55	72	69	51	56	62	61	67	74	73	62	65	63	73	68	67	66	63	61	59	57	53	52	49	45	43	42	43		
					5	84.6	53	52	58	74	77	55	61	64	66	69	74	73	69	76	72	76	73	72	68	65	64	59	58	54	53	52	51	45	42	42	40	
				3	1	79.4	44	40	53	72	66	51	53	53	56	61	70	71	58	66	62	71	68	68	67	62	60	58	58	56	53	51	49	44	44	43	46	
					2	81.6	46	49	48	71	68	54	56	62	66	68	74	73	64	67	67	72	72	69	69	64	61	61	59	59	51	51	47	44	44	45	48	
					3	81.7	47	47	48	73	73	54	52	63	66	70	75	70	63	67	65	72	69	67	67	63	60	60	61	58	54	53	51	47	45	45	48	
					4	80.4	54	50	53	70	73	54	62	64	64	62	71	71	56	62	63	73	69	68	67	61	60	57	57	56	52	49	50	46	42	42	43	
					5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
				4	1	79.4	48	45	51	73	74	51	62	62	53	60	70	68	64	55	63	61	64	64	63	59	59	55	54	53	50	48	47	43	41	42	43	
					2	79.3	45	49	48	74	71	51	64	61	56	51	68	69	66	58	63	67	68	66	65	62	57	56	56	54	50	49	45	41	39	40	42	
					3	79.4	56	56	60	72	73	56	56	60	58	52	70	69	66	59	63	68	67	65	64	62	59	59	55	52	50	48	47	43	41	43	45	
					4	79.4	65	62	67	73	72	61	60	57	53	51	69	65	62	56	61	66	67	67	65	62	57	55	55	54	50	48	47	42	40	41	45	
					5	79.4	51	52	60	74	76	59	59	58	52	51	63	65	63	55	61	64	65	63	64	60	57	55	55	53	50	49	48	42	40	41	42	
				5	1	73.7	42	41	46	68	68	47	56	58	53	61	56	51	55	63	59	56	61	61	61	58	54	51	49	48	45	44	41	35	33	34	36	
					2	72.5	48	50	44	67	65	50	59	59	57	51	51	47	49	57	51	60	54	63	59	55	56	51	49	48	45	43	43	38	33	30	30	33
					3	72.6	44	42	43	66	68	50	51	59	57	51	54	51	50	55	60	61	53	61	59	55	53	50	49	44	42	38	36	32	28	30	32	
					4	72.3	59	56	63	67	66	56	57	60	60	51	54	52	43	49	54	60	56	53	56	49	48	46	41	41	39	36	37	29	28	29	32	
					5	72.7	37	36	41	67	67	48	58	59	53	47	49	47	49	53	60	61	57	63	58	54	52	49	46	44	44	41	39	33	31	31	32	
				6	1	71.6	49	45	51	63	64	55	59	59	57	64	63	48	49	55	56	59	53	57	54	50	47	44	41	40	36	36	35	33	32	35		
					2	72.9	55	54	60	67	63	66	63	56	55	54	57	52	45	50	56	60	55	53	57	51	50	46	43	42	40	37	34	32	30	31	32	
					3	71.7	56	60	64	64	62	59	57	56	55	51	53	50	45	51	55	63	55	52	58	53	52	46	45	41	39	36	32	31	33	31	34	
					4	73.6	54	57	67	69	65	62	61	61	59	56	55	49	43	41	43	50	50	48	40	39	37	34	35	34	31	32	31	32	30	31	32	
					5	74.1	63	64	64	66	60	66	64	65	62	55	56	62	46	44	41	38	40	40	38	37	35	33	32	31	32	31	31	31	31	31		
				7	1	79.6	30	32	46	70	65	54	56	58	57	68	73	69	58	64	61	72	67	67	65	63	59	59	57	55	52	53	51	45	41	40	42	
					2	80.6	31	35	50	71	71	53	50	63	64	67	74	73	62	65	64	70	69	67	67	62	60	59	57	57	53	53	49	45	41	39	42	
					3	81.9	46	46	53	72	75	55	56	62	67	66	74	72	64	68	66	72	68	66	68	64	65	60	58	57	54	54	53	47	43	40	41	
					4	80.9	47	55	51	70	66	51	51	55	58	59	75	72	59	65	62	73	69	70	68	64	61	60	59	56	52	54	52	46	42	40	45	
					5	79.7	55	54	61	70	71	55	55	61	67	72	70	63	64	65	67	67	66	66	62	61	58	56	54	51	52	50	44	40	40	39		
				8	1	79.0	41	37	46	71	69	49	58	61	62	63	71	67	58	64	63	70	68	67	67	62	59	60	57	56	51	51	49	43	42	40	42	
					2	81.1	49	55	55	74	70	50	50	58	62	66	73	72	60	66	63	71	71	68	67	65	63	61	59	57	53	53	50	45	44	43	39	
					3	82.9	45	42	52	74	72	52	56	61	61	67	76	72	68	72	68	73	71	70	69	67	63	59	58	56	53	53	50	45	44	43	40	
					4	81.6	49	48	54	70	75	55	60	64	61	66	74	73	61	67	67	71	68	67	65	62	61	59	58	57	54	51	50	44	40	39	37	
					5	81.6	46	49	48	74	72	54	53	60	66	66	75	68	64	67	65	72	69	69	68	65	61	58	59	56	53	52	50	45	43	43	39	
				9	1	79.7	42	39	47	70	65	47	57	61	61	66	73	68	58	63	62	72	70	68	66	63	61	58	58	56	52	48	49	42	41	41	44	
					2	81.5	31	43	46	72	75	53	57	62	65	69	73	70	63	65	64	71	69	68	67	64	62	57	58	56	52	49	48	43	41	41	42	
3	82.2	43	40		51	73	71	50	55	57	63	64	76	71	62	69	65	74	71	69	68	66	63	59	60	58	54	53	51	45	44	45	47					
4	82.6	40	43		51	72	68	50	56	60	65	66	76	72	63	70	66	76	72	70	68	66	62	60	60	58	55	51	50	45	44	43	44					
5	80.8	36	40		50	69	71	51	53	62	67	64	75	70	62	66	65	71	70	67	68	66	61	60	60	58	58	55	52	49	45	39	40	42				
10	1	79.4	35	43	46	71	71	51	66	66	57	67	71	70	61	55	62	63	68	67	64	60	60	57	54	53	50	51	50	44	44	44	47					
	2	79.6	49	58	57	71	68	56	65	67	59	55	69	71	69	60	66	69	68	66	66	63	62	59	56	55	53	52	48	45	42	43	45					
	3	79.3	50	50	53	72	68	52	68	68	59	56	70	69	66	57	60	71	65	66	65	62	61	56	55	54	51	50	48	43	42	43	45					
	4	80.0	58	60	67	77	69	61	67	68	61	54	65	64	64	56	58	68	64	66	62	60	57	55	54	52	49	47	42	40	40	44						
	5	78.8	42	44	47	70	67	50	67	68	60	54	72	69	63	54	61	67	68	66	63	60	59	57	56	53	50	51	43	43	40	41	45					

TABLE XVII. - SUMMARY OF ONE-THIRD OCTAVE BAND SOUND PRESSURE LEVELS FOR THE MODIFIED (TWO-BLADE TAIL ROTOR) OH-6A HELICOPTER
(CONFIGURATION C) AS MEASURED ON TRACK AND Laterally FOR VARIOUS FLIGHT CONDITIONS, ALTITUDES, AND FORWARD SPEEDS - Continued

Date	Flight condition	Altitude, meters	Airspeed, knots	Microphone position	Flight	One-third octave band sound pressure levels, dB, for frequencies, Hz, of -																																
						Overall	10	12	16	20	25	32	40	50	63	80	100	125	160	200	250	320	400	500	630	800	1000	1250	1600	2000	2500	3200	4000	5000	6300	8000	10000	
10-24-69	Level (658 kg)*	61	40	11	1	72.7	39	43	43	48	55	45	62	63	55	67	68	52	50	52	56	58	52	57	58	52	52	50	45	44	41	39	37	35	36	36	39	
					2	76.1	43	45	45	66	59	53	64	67	62	55	60	55	56	59	65	70	59	66	64	57	56	54	51	48	44	41	38	33	33	34	37	
					3	77.3	38	43	44	67	59	54	66	69	60	58	62	59	52	58	65	70	62	67	68	60	60	57	57	53	48	47	42	39	36	34	36	
					4	75.9	60	60	59	66	67	59	66	66	60	57	61	57	52	57	63	67	59	65	60	58	58	54	52	48	45	43	39	33	32	33	35	
					5	76.1	49	51	46	67	61	53	66	66	63	55	60	56	52	57	63	69	60	67	66	56	55	53	50	46	42	38	35	34	33	33	36	
				12	1	73.6	33	38	40	56	57	45	60	62	49	67	71	55	45	45	53	60	56	50	52	48	49	43	40	37	38	36	36	36	36	38	40	
					2	73.4	43	43	40	59	61	51	62	64	60	57	62	63	55	52	59	64	64	61	60	60	60	55	51	48	46	43	40	34	34	34	36	
					3	73.8	52	49	48	59	61	54	61	65	61	55	62	60	54	48	51	63	66	66	57	59	57	51	48	44	43	37	36	33	33	34	36	
					4	74.4	40	39	43	63	62	55	62	64	56	56	63	60	52	53	60	68	65	59	63	58	56	52	47	45	41	39	36	33	34	36		
					5	74.6	45	38	50	61	57	56	62	64	61	58	66	60	54	48	59	68	66	64	60	59	52	54	50	46	45	44	40	35	33	35	36	
				13	1	80.3	40	45	52	70	67	49	57	62	64	64	68	73	70	61	64	63	71	70	69	69	65	62	59	59	60	56	55	50	46	44	45	47
					2	82.0	49	49	51	73	70	55	52	60	60	73	73	73	71	63	67	65	73	70	71	68	64	62	60	60	59	54	56	52	47	44	43	46
					3	81.6	46	48	57	72	74	53	56	62	66	66	68	73	72	62	67	72	69	66	69	64	61	60	58	57	54	56	51	45	42	43	44	
					4	80.9	51	50	58	71	69	60	55	62	65	64	75	69	62	65	66	72	70	69	69	64	62	59	55	54	53	51	45	41	44	47		
					5	80.9	37	44	47	71	73	50	54	62	67	68	71	70	62	67	72	69	67	68	61	63	60	59	56	55	54	51	46	42	42	44		
		60	60	1	1	79.9	45	45	50	74	71	56	56	61	60	64	72	68	61	65	62	69	67	66	65	61	59	57	57	54	51	52	48	43	42	42	44	
					2	81.9	41	44	51	73	76	59	50	65	68	67	74	71	62	67	66	68	68	65	68	63	62	60	59	57	54	53	48	44	42	44	45	
					3	78.6	52	45	52	71	68	55	52	62	58	63	72	68	60	64	63	68	68	65	65	59	57	55	55	53	51	52	46	43	42	42	44	
					4	81.0	46	45	51	73	74	54	52	63	65	69	72	68	65	69	66	69	66	67	60	60	58	57	56	52	51	47	43	41	44	45		
					5	80.3	59	61	62	66	72	61	59	59	59	61	62	74	75	58	63	68	66	65	63	58	58	56	54	55	53	49	46	42	40	40	41	
				2	1	81.1	49	53	57	69	75	58	59	62	59	64	73	73	61	67	64	71	67	68	65	62	60	55	55	55	52	50	49	42	39	39	38	
					2	80.3	47	45	53	69	75	55	55	59	58	63	72	73	58	61	62	71	64	65	64	60	58	54	54	55	51	48	47	41	39	39	38	
					3	79.5	49	51	51	70	73	54	54	61	59	61	72	71	61	63	64	70	65	65	62	59	56	54	53	52	50	49	46	42	40	39	38	
					4	80.4	45	51	53	73	74	57	55	57	58	65	72	70	59	65	65	69	67	65	67	59	59	55	56	54	52	50	48	43	41	39	39	
					5	81.0	36	41	52	68	74	56	50	58	60	63	71	73	59	67	66	74	67	69	65	63	59	57	57	56	54	49	46	42	39	39	37	
				3	1	79.4	41	41	50	71	72	55	51	61	59	63	72	70	59	63	62	70	68	62	64	60	57	56	54	54	51	51	46	42	41	42	43	
					2	79.4	43	42	51	72	65	52	55	58	55	63	73	71	58	64	62	72	67	66	65	60	59	56	55	56	51	50	47	44	41	42	45	
					3	78.9	44	46	50	67	73	53	53	56	57	61	71	73	56	60	61	67	65	64	63	59	54	52	53	53	48	47	48	42	38	39	40	
					4	80.3	55	52	60	75	68	59	59	57	60	60	73	70	59	65	62	71	67	68	66	62	60	56	57	54	51	49	47	42	41	41	44	
					5	79.3	45	44	49	70	63	58	57	58	51	61	74	70	57	65	60	72	67	66	65	62	59	57	57	54	51	49	46	43	40	40	42	
				4	1	79.0	49	49	50	71	74	51	57	57	53	51	68	69	63	56	64	64	69	67	66	62	59	55	56	53	51	49	48	42	41	42	43	
					2	78.8	39	40	51	71	72	57	59	60	54	54	67	69	65	54	64	66	69	67	65	61	58	55	54	55	50	51	49	44	43	44	42	
					3	78.6	56	55	60	74	69	55	59	57	51	55	68	67	64	54	62	65	69	66	63	62	59	54	53	52	49	51	46	41	41	41	44	
					4	78.9	55	59	64	72	72	59	57	59	59	58	68	68	65	56	63	63	67	67	66	61	57	53	54	52	50	49	47	43	41	42	43	
					5	78.6	45	49	50	73	69	52	58	58	51	55	69	68	62	55	62	66	70	68	65	62	57	54	54	54	49	50	46	41	40	40	42	
				5	1	72.5	38	41	39	66	68	50	53	58	58	52	53	51	56	57	59	57	58	61	55	55	52	51	48	47	43	40	37	32	29	29	33	
					2	72.5	45	45	51	67	63	48	58	58	55	51	50	48	55	56	60	62	59	63	59	56	54	52	50	48	45	42	41	35	32	32	33	
					3	73.2	61	58	61	65	68	56	54	58	57	51	53	53	58	59	58	53	61	59	58	58	53	50	46	45	43	39	38	31	29	31	32	
					4	73.0	59	56	55	66	67	53	56	62	61	55	53	51	54	57	59	57	56	62	56	55	50	48	47	46	43	39	37	32	30	30	32	
					5	72.8	44	42	43	66	67	51	54	59	58	62	51	52	57	56	59	57	59	61	58	56	53	50	47	46	43	41	39	32	30	31	32	
				6	1	72.0	62	62	59	65	63	59	61	57	58	55	56	52	53	45	55	60	54	53	58	50	49	47	43	41	38	35	33	32	31	32	33	
					2	73.1	56	56	63	66	66	62	63	59	58	52	54	50	49	51	59	60	57	54	58	53	51	48	44	42	41	37	33	33	31	31	34	
3	72.4	61	63		65	62	63	64	63	61	57	54	57	53	48	41	46	41	41	46	41	36	34	34	32	32	32	32	31	31	31	33						
4	74.5	55	62		66	68	65	65	63	60	63	54	57	53	50	52	57	61	53	58	57	50	50	47	44	42	40	37	36	32	32	31	31					
5	75.8	66	63		67	65	61	71	64	63	60	59	55	49	48	47	56	62	56	48	54	50	44	40	43	37	36	33	32	32	31	32	33					
7	1	80.1	44	47	49	71	70	55	55	61	59	64	72	70	60	66	65	72	68	66	67	60	58	57	56	54	50	50	48	43	41	38	41					
	2	79.7	42	40	46	70	63	51	49	56	54	62	72	70	58	68	63	74	68	69	66	62	59	57	56	54	50	50	48	43	41	39	44					
	3	80.1	40	47	52	71	67	54	57	60	58	65	73	69	61	67	65	71	70	70	66	64	60	58	60	56	53	54	51	46	44	40	42					
	4	81.5	62	63	65	75	71	61	59	61	64	68	75	71	62	65	63	70	70	67	66	61	58	59	56	58	52	53	50	45	41	39	39					
	5	79.4	51	58	56	68	73	55	50	58	60	62	71	71	56	63	66	70	67	66	65	59	57	55	55	56	52	49	49	42	40	38	39					

TABLE XVII.- SUMMARY OF ONE-THIRD OCTAVE BAND SOUND PRESSURE LEVELS FOR THE MODIFIED (TWO-BLADE TAIL ROTOR) OH-6A HELICOPTER
(CONFIGURATION C) AS MEASURED ON TRACK AND Laterally FOR Various FLIGHT CONDITIONS, ALTITUDES, AND FORWARD SPEEDS - Continued

Date	Flight condition	Altitude, meters	Airspeed, knots	Microphone position	Flight	One-third octave band sound pressure levels, dB, for frequencies, Hz, of -																																
						Overall	10	12	16	20	25	32	40	50	63	80	100	125	160	200	250	320	400	500	630	800	1000	1250	1600	2000	2500	3200	4000	5000	6300	8000	10 000	
10-24-69	Level (658 kg)*	61	60	8	1	80.2	38	40	47	71	65	56	56	57	53	62	74	70	61	68	63	72	69	68	67	62	62	59	58	57	55	53	51	45	45	45	41	
					2	81.2	43	44	49	72	73	56	55	62	66	68	74	72	62	67	66	69	70	66	67	62	61	60	62	59	55	53	49	45	43	43	40	
					3	80.8	45	47	50	68	74	56	53	59	59	63	73	75	59	63	73	71	66	66	63	60	58	54	55	55	52	50	47	43	39	41	37	
					4	81.4	41	46	51	74	68	55	56	60	62	64	75	71	62	67	64	74	69	69	67	64	62	61	60	57	53	52	47	44	42	42	40	
					5	80.3	50	47	52	73	71	56	54	60	64	62	71	70	60	65	65	72	68	67	66	63	61	58	58	53	53	49	45	43	43	38		
				9	1	79.9	40	41	53	72	73	55	51	62	61	63	72	67	61	63	63	70	68	66	66	60	61	56	57	56	52	50	47	41	39	40	40	
					2	81.0	43	44	52	74	73	54	57	61	61	65	72	67	64	67	65	71	70	69	68	64	61	58	59	57	54	49	44	43	43	46		
					3	79.8	39	34	50	71	70	52	51	62	60	60	73	70	57	63	64	70	68	67	69	61	57	55	55	56	49	50	46	40	41	40		
					4	80.8	44	41	47	72	70	53	51	64	61	67	75	71	61	67	65	72	68	67	66	62	59	57	56	55	51	48	46	41	41	40		
					5	80.3	36	38	49	72	73	49	50	61	59	63	73	71	60	63	65	71	69	65	67	59	57	57	57	55	55	53	53	48	42	39	39	41
				10	1	77.4	33	38	47	66	68	52	62	63	58	54	70	68	60	54	65	66	68	65	65	60	61	58	55	51	52	49	48	42	40	41	44	
					2	77.7	45	44	53	66	67	54	61	63	57	54	70	70	64	55	63	69	66	64	64	60	59	56	56	54	51	49	47	43	41	40	45	
					3	78.0	53	52	57	65	72	58	58	63	57	56	69	71	64	57	61	66	65	62	63	60	59	56	54	52	51	48	48	43	39	40	42	
					4	77.5	40	45	50	62	61	57	62	65	60	56	70	68	66	57	63	68	68	66	65	61	58	57	55	53	51	50	48	43	41	42	45	
					5	77.6	38	39	49	67	70	54	62	63	56	60	69	70	63	55	63	65	66	65	64	58	61	57	53	50	49	49	43	40	41	45		
				11	1	75.8	43	43	48	62	63	55	64	65	60	53	59	55	58	61	67	66	60	68	64	64	62	59	55	53	52	48	47	38	34	34	37	
					2	75.6	42	41	47	58	56	57	64	68	62	58	60	55	58	63	67	59	67	62	61	57	54	52	50	45	45	41	36	33	34	36		
					3	75.8	42	45	52	64	64	56	63	64	57	58	56	57	63	65	68	64	64	66	63	62	59	56	55	51	48	47	43	37	33	34	39	
					4	76.5	42	42	49	63	62	56	62	61	59	59	63	55	60	65	68	69	62	68	63	63	65	58	54	52	50	48	45	39	35	35	38	
					5	75.4	39	42	47	63	63	54	61	62	60	66	58	58	61	63	68	64	62	66	59	60	57	53	51	48	45	43	41	35	33	34	35	
				12	1	73.6	52	51	48	58	62	56	59	66	63	57	64	64	53	59	56	65	62	55	58	57	58	53	46	44	41	39	37	33	33	34	35	
					2	74.7	62	62	60	65	61	57	62	60	60	60	60	60	66	65	60	57	59	56	63	60	57	59	56	53	46	43	39	38	33	34	35	35
					3	74.4	46	50	50	59	57	53	57	67	58	56	61	60	54	51	62	69	64	60	62	60	57	54	53	50	45	42	39	35	33	34	36	
					4	74.6	41	39	50	57	56	56	59	66	62	57	70	63	54	54	60	67	62	58	60	56	52	50	49	46	42	37	35	34	35	37		
					5	74.5	44	42	44	54	60	55	58	63	66	68	63	59	58	50	49	62	66	63	59	58	59	55	51	48	44	40	39	34	33	35	36	
				13	1	80.7	54	52	51	68	74	55	52	59	62	61	72	74	58	63	63	72	67	66	65	60	61	58	58	56	55	51	49	44	41	42	42	
					2	81.4	38	46	48	72	73	56	52	64	61	63	72	71	62	67	67	74	71	68	68	64	61	58	60	58	57	54	50	46	43	43	46	
					3	80.7	65	61	52	67	73	57	52	56	58	62	73	74	58	62	66	73	67	65	66	61	58	58	56	54	53	48	43	40	41	41		
					4	80.4	34	43	48	71	74	53	54	61	62	62	72	70	62	65	67	71	70	67	65	60	60	56	55	56	54	53	50	45	40	41	44	
					5	80.3	46	46	46	72	71	54	50	62	60	61	71	68	63	66	65	73	71	67	68	62	60	58	60	59	55	53	50	43	40	42	42	
		85	1	1	82.2	54	50	54	69	75	60	54	64	64	66	74	75	65	67	66	71	71	67	67	62	60	58	55	55	52	49	48	45	44	46	44		
				2	81.9	56	56	56	70	73	61	59	62	63	66	74	74	66	68	66	72	71	69	68	63	62	57	57	56	53	51	49	45	44	47	47		
				3	82.7	49	49	47	67	78	64	58	64	65	66	73	77	64	64	65	71	70	68	66	62	60	57	58	56	53	50	49	45	44	43	44		
				4	81.6	61	68	67	68	71	64	61	63	65	64	75	75	60	65	65	69	69	65	67	62	58	57	55	52	48	47	45	42	41	42	44		
				5	82.2	53	57	63	74	74	58	62	64	64	68	73	71	66	68	66	73	70	68	68	64	60	59	58	55	53	51	49	45	44	45	45		
			2	1	81.7	59	61	56	72	71	57	60	65	61	62	75	72	63	66	67	73	71	69	68	62	60	55	55	54	50	51	47	44	41	42	42		
				2	83.5	48	50	56	70	77	60	56	63	64	63	77	78	64	67	67	71	71	68	65	64	59	57	56	56	52	51	47	45	42	43	42		
				3	83.5	63	64	67	74	77	70	68	68	68	66	75	74	65	68	65	71	70	66	66	63	60	57	56	54	51	51	47	46	44	44	42		
				4	81.1	39	51	52	65	77	61	58	65	60	62	72	74	62	64	64	69	67	68	66	61	56	55	53	54	50	48	46	43	40	39	39		
				5	81.9	50	51	57	70	74	59	59	65	67	66	74	75	65	66	64	73	69	66	67	64	60	56	55	54	51	49	45	44	42	43	40		
			3	1	81.6	58	62	63	69	71	60	51	64	63	64	76	74	62	65	66	71	69	67	66	62	61	57	54	55	50	46	44	43	46	46			
				2	82.1	50	54	53	66	75	63	55	64	65	61	73	77	60	63	63	73	69	69	68	62	58	57	56	54	51	50	49	46	44	42	43		
3	81.5			54	60	63	67	74	61	59	62	63	64	74	75	60	60	65	71	71	67	67	62	57	57	56	54	51	48	46	44	41	43	44				
4	80.7			58	51	58	71	71	58	55	60	59	65	74	72	64	66	65	71	69	68	68	62	58	57	56	56	51	51	47	44	41	43	44				
5	81.5			53	53	56	68	73	66	59	61	62	67	73	75	64	66	66	71	71	68	66	62	58	59	55	56	52	49	46	45	42	43	44				
4	1		81.8	41	46	53	73	73	58	64	66	59	53	71	71	74	70	62	67	70	72	70	68	65	61	58	57	56	53	50	46	45	44	45	43			
	2		81.6	45	44	51	74	74	56	65	66	61	54	71	70	69	83	66	70	71	70	69	65	63	58	57	57	53	52	47	44	44	44	44				
	3		81.3	63	59	69	73	66	63	66	64	58	69	70	73	64	68	70	69	69	69	65	61	59	59	56	52	50	49	45	44	44	46	44				
	4		80.6	56	63	59	66	72	61	62	63	65	55	69	74	71	63	64	68	70	68	68	62	61	59	57	54	52	50	48	44	43	44	43				
	5		80.7	55	60	58	75	69	57	63	62	57	55	70	70	68	61	62	71	72	69	67	62	60	56	56	56	51	52	45	45	42	43	41				

TABLE XVII. - SUMMARY OF ONE-THIRD OCTAVE BAND SOUND PRESSURE LEVELS FOR THE MODIFIED (TWO-BLADE TAIL ROTOR) OH-6A HELICOPTER
(CONFIGURATION C) AS MEASURED ON TRACK AND Laterally FOR Various FLIGHT CONDITIONS, ALTITUDES, AND FORWARD SPEEDS - Continued

Date	Flight condition	Altitude, meters	Airspeed, knots	Microphone position	Flight	One-third octave band sound pressure levels, dB, for frequencies, Hz, of -																																
						Overall	10	12	16	20	25	32	40	50	63	80	100	125	160	200	250	320	400	500	630	800	1000	1250	1600	2000	2500	3200	4000	5000	6300	8000	10000	
10-24-69	Level (658 kg)*	61	85	5	1	76.1	49	49	58	65	70	60	57	68	67	53	57	56	56	59	62	65	58	64	62	58	59	55	53	50	46	42	40	34	31	32	33	
					2	76.1	58	58	57	65	71	55	58	66	66	58	58	58	54	60	64	65	60	62	62	57	57	53	51	48	45	41	39	35	30	30	32	
					3	75.3	40	47	47	65	69	55	54	67	66	56	58	58	53	59	64	64	59	64	62	57	55	53	50	47	45	40	38	33	30	31	32	
					4	76.4	56	57	62	64	73	59	58	65	65	56	54	54	59	61	62	61	57	61	57	56	54	51	48	45	42	38	39	32	30	30	30	
					5	75.5	53	57	51	62	70	58	54	65	68	58	55	54	57	61	65	64	57	62	61	56	57	54	50	46	43	40	37	32	30	29	32	
				6	1	73.7	53	55	57	65	67	57	60	67	64	55	58	56	46	52	58	62	58	54	58	52	52	49	47	43	41	37	33	34	31	33	32	
					2	76.8	51	62	67	70	71	63	63	66	65	58	58	58	54	60	64	65	61	54	59	54	53	50	48	43	42	37	34	31	30	31	32	
					3	77.5	59	66	72	71	66	67	62	64	65	57	58	60	49	46	54	59	60	56	51	53	49	48	46	44	39	36	33	31	29	31	33	
					4	73.2	59	62	64	66	62	55	56	62	64	53	54	55	48	50	56	62	63	53	56	55	51	48	45	42	40	36	34	31	30	32	32	
					5	75.4	53	57	60	57	62	60	59	64	63	70	70	46	40	39	37	38	64	46	54	57	58	50	44	42	35	30	30	30	30	29	31	
				7	1	82.3	39	44	51	69	74	55	54	64	64	66	75	75	67	68	67	71	72	66	67	63	61	57	57	55	53	52	51	47	42	41	42	
					2	82.0	46	50	57	71	71	60	63	63	63	68	73	73	65	68	73	73	72	69	69	63	62	58	57	55	53	54	51	47	43	43	44	
					3	82.7	50	59	57	68	75	62	60	62	62	63	75	77	63	65	65	73	72	67	67	62	59	56	56	57	53	51	49	47	43	41	41	
					4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
					5	82.0	49	53	55	69	75	60	61	66	65	65	72	75	64	68	67	73	69	68	67	62	60	57	57	56	53	52	50	47	44	40	40	
				8	1	82.8	41	48	49	68	76	64	56	68	64	63	76	77	62	63	64	72	70	66	65	62	59	55	55	53	51	51	48	46	44	44	44	39
					2	82.8	53	51	61	68	76	59	57	62	64	66	75	78	62	66	64	71	70	68	67	63	58	57	56	55	53	54	51	47	44	44	40	
					3	83.8	58	57	62	76	72	60	67	62	61	68	75	72	65	69	66	77	71	71	70	69	64	61	60	58	55	55	51	49	48	47	43	
					4	82.2	56	61	53	72	74	62	57	63	63	70	75	73	66	67	67	70	70	69	68	64	63	60	61	56	53	54	48	46	45	44	39	
					5	82.1	59	63	64	70	76	65	64	68	64	61	69	77	66	57	65	69	70	65	64	60	57	55	55	55	52	47	47	42	40	38	36	
				9	1	82.2	43	52	51	66	76	59	59	60	62	62	73	76	60	63	64	73	71	70	66	63	60	56	55	57	52	49	49	43	41	42	41	
					2	81.8	49	53	57	69	72	61	54	68	68	65	75	73	64	65	67	72	71	68	69	63	59	57	54	54	52	51	49	43	42	42	42	
					3	82.3	50	51	58	67	74	62	60	61	63	63	75	76	63	65	67	72	72	70	68	65	61	58	56	55	51	49	49	45	44	43	42	
					4	81.9	45	53	47	68	72	59	55	60	62	66	75	76	63	66	63	71	71	68	68	64	61	56	54	54	51	48	47	44	41	42	41	
					5	83.1	64	62	58	73	75	63	63	69	65	69	75	71	63	69	67	75	72	70	68	63	61	56	55	54	52	51	48	45	42	43	43	
				10	1	81.2	49	50	52	66	77	60	62	70	65	54	63	72	70	60	63	72	67	67	66	65	60	58	56	53	52	50	49	45	42	42	44	
					2	80.5	59	53	59	67	76	58	57	64	62	52	61	70	68	64	63	71	68	67	67	66	64	62	59	57	53	52	49	48	44	43	42	44
					3	81.5	46	50	50	69	75	58	58	65	65	54	69	75	69	63	67	70	69	68	68	66	64	59	57	55	54	51	49	46	42	43	45	
					4	82.4	64	66	69	77	70	65	67	64	62	60	74	72	68	60	64	68	71	70	68	63	61	57	55	53	49	47	44	43	39	40	43	
					5	81.8	64	59	70	73	77	67	65	64	65	58	66	72	68	61	63	69	65	66	64	60	58	57	53	51	49	47	43	41	41	41		
				11	1	75.1	34	40	46	61	53	54	59	70	62	57	58	57	52	62	64	67	58	65	65	58	54	52	51	45	43	40	34	33	31	32	33	
					2	74.8	36	36	42	59	54	53	55	70	65	55	55	54	50	61	63	65	59	65	65	56	53	51	51	48	46	42	38	33	32	33	35	
					3	75.1	50	50	57	58	57	51	57	68	65	55	58	54	55	65	67	65	59	64	60	60	56	52	50	46	43	40	37	32	31	34	35	
					4	75.7	43	42	44	59	60	51	57	72	69	54	52	53	57	63	66	60	61	64	58	59	56	50	48	45	42	37	40	35	32	32	34	
					5	75.1	41	40	45	53	49	53	59	71	67	53	55	53	53	62	66	65	55	65	62	56	53	51	48	46	42	40	38	33	31	33	35	
				12	1	73.3	38	38	40	52	60	52	54	68	66	56	57	60	53	49	56	65	62	57	57	58	55	53	47	44	40	37	33	33	32	32	35	
					2	71.7	37	40	45	48	51	51	54	65	61	56	59	61	52	54	58	63	63	59	57	59	53	50	49	46	43	38	36	32	33	33	36	
					3	73.0	44	43	48	50	51	54	53	68	63	60	64	60	54	53	59	63	62	57	57	51	46	44	40	38	37	34	32	32	34	36		
					4	73.9	33	41	47	60	55	48	54	72	64	56	55	55	47	53	58	64	58	53	59	51	49	44	42	39	38	34	33	32	31	33	35	
					5	73.3	43	43	51	51	50	51	54	70	64	57	59	57	49	52	58	63	58	54	58	53	50	47	46	43	39	37	33	33	32	33	35	
				13	1	82.4	49	47	49	68	76	65	56	63	65	65	74	74	65	68	68	73	71	68	71	64	61	59	58	56	55	53	51	47	43	43	45	
					2	82.9	56	57	57	71	72	59	59	66	63	69	75	72	66	70	67	74	73	71	70	65	61	58	58	58	55	54	51	46	43	45	46	
3	83.2	44	53		62	68	76	64	61	63	63	66	74	78	63	65	67	74	70	70	69	64	60	58	58	55	54	52	49	46	43	43	43					
4	83.1	64	60		58	72	76	69	65	68	65	64	74	77	64	66	65	70	71	68	67	64	61	58	56	55	52	53	49	46	43	42	44					
					5	82.2	55	61	66	69	74	63	60	64	64	66	74	75	63	66	67	73	72	68	63	62	59	57	54	52	50	46	43	44				

TABLE XVII.- SUMMARY OF ONE-THIRD OCTAVE BAND SOUND PRESSURE LEVELS FOR THE MODIFIED (TWO-BLADE TAIL ROTOR) OH-6A HELICOPTER
(CONFIGURATION C) AS MEASURED ON TRACK AND Laterally for Various Flight Conditions, Altitudes, and Forward Speeds - Continued

Date	Flight condition	Altitude, meters	Airspeed, knots	Microphone position	Flight	One-third octave band sound pressure levels, dB, for frequencies, Hz, of -																																
						Overall	10	12	16	20	25	32	40	50	63	80	100	125	160	200	250	320	400	500	630	800	1000	1250	1600	2000	2500	3200	4000	5000	6300	8000	10000	
11-8-69	Level (658 kg)*	30	40	1	1	87.2	44	44	59	79	75	54	62	63	65	70	80	78	69	72	67	78	76	75	75	72	69	66	65	64	60	59	57	54	56	55	58	
					2	87.1	44	45	58	80	77	56	59	64	63	72	80	78	68	70	67	76	75	74	74	71	68	66	66	63	59	59	56	55	53	56	56	
					3	85.3	43	45	57	76	73	56	53	64	64	69	77	75	65	71	67	78	75	75	73	70	67	65	65	62	60	59	56	53	53	55	56	
					4	88.4	42	45	58	80	77	54	58	65	69	71	81	77	72	72	77	72	80	77	74	76	71	69	65	66	64	60	60	57	54	56	58	59
					5	88.1	49	50	59	80	78	51	60	66	65	78	79	78	71	73	70	79	76	74	74	71	69	66	65	63	60	58	57	53	54	58	59	
				2	1	88.0	46	45	58	78	78	55	62	66	72	72	81	80	65	70	71	78	77	75	75	71	68	65	64	64	60	59	58	54	52	53	51	
					2	87.6	41	42	58	81	76	57	65	62	60	74	80	79	67	71	69	78	75	74	74	71	68	65	63	63	60	58	56	55	54	52	52	
					3	85.9	45	42	55	76	74	54	59	63	59	69	80	77	67	71	69	75	75	72	74	69	66	64	64	63	58	58	57	53	52	50	50	
					4	89.7	45	47	59	79	81	53	60	65	68	76	83	81	69	76	71	80	78	76	78	73	69	66	66	64	61	60	56	55	54	54		
					5	87.7	47	47	58	81	76	52	62	62	65	71	80	80	66	71	69	78	77	76	73	70	69	64	65	63	61	58	57	55	53	52	54	
				3	1	85.5	45	45	53	78	70	51	60	57	63	69	78	77	67	64	66	77	73	74	71	69	65	64	62	62	59	58	56	53	52	53	55	
					2	87.1	44	50	59	79	77	53	63	63	67	70	78	78	65	70	68	80	76	75	74	71	67	65	64	63	60	60	57	56	52	54	56	
					3	85.8	45	41	54	77	74	54	57	60	60	69	77	75	65	69	67	80	74	74	71	68	65	63	63	62	59	58	57	52	52	56	56	
					4	87.6	51	48	58	80	76	52	64	62	63	68	80	80	67	71	68	79	77	74	72	70	69	64	63	63	61	60	58	56	52	55	59	
					5	86.9	40	43	58	79	77	51	63	64	67	68	79	78	66	69	68	78	75	74	72	71	67	67	64	65	64	61	61	59	56	54	55	60
				4	1	81.0	41	40	48	77	72	50	63	66	63	59	66	58	57	65	69	62	71	66	65	63	60	56	56	54	55	52	51	51	51	51	53	
					2	80.9	36	39	51	76	74	51	65	67	65	59	59	56	62	66	67	64	68	70	67	64	62	61	60	56	56	54	52	52	49	53	53	
					3	81.0	42	39	45	76	75	54	68	69	64	55	54	60	63	64	65	60	70	67	67	62	61	59	58	55	56	53	50	50	54	55		
					4	81.5	36	39	50	77	74	51	64	67	65	59	60	56	61	67	69	67	64	71	66	65	63	60	59	56	56	55	52	50	49	53	55	
					5	80.7	39	39	47	76	72	50	66	65	64	56	59	55	56	66	67	63	72	67	65	62	60	59	56	56	55	54	51	50	53	54		
				5	1	73.6	41	44	43	65	61	44	56	61	58	55	69	66	58	49	48	56	57	62	61	52	50	49	47	47	47	49	47	39	37	35	35	
					2	72.2	45	42	38	62	62	45	53	63	61	56	64	62	54	49	49	56	61	61	60	50	57	50	49	46	46	47	46	39	35	34	34	
					3	72.7	31	35	34	64	63	49	57	63	58	53	63	64	54	49	48	56	60	63	60	51	53	47	49	46	46	46	43	39	35	34	34	
					4	72.4	30	34	41	63	65	45	51	64	60	52	64	63	55	50	49	53	56	60	60	52	58	52	47	45	46	46	43	39	35	34	33	
					5	71.9	31	30	38	62	62	47	55	61	59	56	65	62	54	46	48	56	58	61	60	50	54	49	49	46	46	47	45	39	35	35	35	
				6	1	70.2	32	32	39	61	57	46	52	58	54	54	64	62	55	52	47	51	54	60	59	53	46	47	44	46	43	44	40	34	32	30	30	
					2	68.2	28	32	32	60	58	46	51	58	54	55	60	60	52	48	43	50	54	57	54	46	46	44	42	39	38	39	37	32	30	30	29	
					3	69.5	38	34	40	59	60	42	52	59	56	52	61	62	53	48	46	50	56	58	58	49	48	47	43	44	43	41	40	36	33	31	29	
					4	68.9	29	33	40	61	60	43	48	60	56	52	62	59	50	47	47	51	56	56	52	48	49	43	44	42	43	42	35	33	31	31		
					5	68.0	22	30	37	59	58	46	53	58	53	53	61	58	53	48	48	50	54	56	58	49	48	44	40	41	40	38	36	32	29	31	30	
				7	1	88.0	40	41	55	77	75	51	66	63	63	73	82	78	69	69	70	81	78	75	74	71	69	66	66	66	62	61	61	60	55	55	54	55
					2	88.0	41	44	53	75	78	56	61	64	65	76	82	79	70	75	72	78	76	74	75	71	68	67	65	63	61	61	61	53	52	49	53	
					3	86.9	38	38	54	76	69	48	58	60	59	66	81	80	69	68	67	79	74	74	73	68	66	62	63	64	60	60	58	53	52	50	52	
					4	88.3	41	42	55	76	77	52	61	65	67	71	80	79	70	75	72	81	79	77	74	70	69	66	66	65	62	63	62	57	53	51	54	
					5	87.4	42	40	55	77	77	53	61	64	69	71	79	77	69	74	71	79	78	74	75	72	68	65	66	63	62	62	61	55	54	52	56	
				8	1	88.0	43	45	60	80	76	53	64	66	67	73	81	79	65	71	68	80	77	74	75	71	70	64	64	64	62	59	58	56	55	55	53	
					2	86.9	45	47	55	79	71	53	61	59	62	69	81	79	67	67	66	78	76	74	71	71	66	64	62	62	60	58	57	54	53	53	49	
					3	86.1	45	47	52	77	75	54	58	64	61	72	78	77	68	69	71	79	75	73	72	68	66	64	65	64	61	59	58	54	54	53	50	
					4	86.7	48	47	57	79	75	55	65	63	64	71	78	76	67	70	68	80	76	75	74	70	68	65	65	64	61	59	58	56	54	52	50	
					5	86.8	44	41	57	79	74	54	63	61	65	71	81	77	64	69	66	79	75	74	72	69	69	64	63	62	62	60	58	54	54	53	50	
				9	1	87.9	39	39	55	75	77	55	57	65	73	74	82	79	67	72	71	79	78	74	74	70	67	65	66	64	60	61	56	53	53	54	53	
					2	87.9	35	41	55	77	77	55	60	65	69	79	81	80	69	74	71	77	77	74	74	71	68	66	64	63	60	59	56	52	51	52	52	
3	86.7	40	40		51	76	69	51	61	58	59	67	82	77	66	69	68	79	75	75	74	70	66	63	65	62	57	61	55	53	52	52	53					
4	87.9	42	39		53	78	73	52	64	61	64	70	80	80	68	70	69	82	77	74	75	71	68	65	65	63	59	61	57	55	54	53	56					
5	87.9	39	43		55	77	76	51	59	63	63	70	81	80	68	70	70	80	79	74	75	71	66	65	65	63	60	59	56	52	52	53	53					
10	1	80.5	37	42	50	74	65	49	69	71	62	56	62	57	58	64	70	71	64	73	68	71	62	73	65	64	63	58	57	53	52	49	54					
	2	79.9	40	42	45	73	64	49	68	71	64	57	61	56	57	63	68	71	62	73	65	61	65	62	71	66	62	57	53	50	48	47	51					
	3	79.8	36	40	45	74	64	49	70	72	62	54	60	55	57	63	67	69	62	71	66	62	71	65	62	61	58	58	54	50	48	47	50					
	4	79.4	34	34	45	73	65	47	67	71	63	58	60	56	56	64	67	69	61	71	67	64	63	58	57	56	54	55	53	50	50	49	53					
	5	80.2	27	34	45	74	66	50	68	72	63	56	58	54	60	66	68	70	66	71	67	64	63	58	59	56	56	55	54	51	50	47	55					

TABLE XVII.- SUMMARY OF ONE-THIRD OCTAVE BAND SOUND PRESSURE LEVELS FOR THE MODIFIED (TWO-BLADE TAIL ROTOR) OH-6A HELICOPTER
(CONFIGURATION C) AS MEASURED ON TRACK AND Laterally FOR VARIOUS FLIGHT CONDITIONS, ALTITUDES, AND FORWARD SPEEDS - Continued

Date	Flight condition	Altitude, meters	Airspeed, knots	Microphone position	Flight	One-third octave band sound pressure levels, dB, for frequencies, Hz, of -																															
						Overall	10	12	16	20	25	32	40	50	63	80	100	125	160	200	250	320	400	500	630	800	1000	1250	1600	2000	2500	3200	4000	5000	6300	8000	10000
11-8-69	Level (658 kg)*	30	40	11	1	71.8	38	37	44	58	54	51	55	61	55	53	65	64	54	46	50	60	60	61	60	52	56	48	51	47	46	46	44	41	37	36	38
					2	72.1	43	39	39	59	54	46	55	63	58	54	65	63	58	47	50	63	60	62	57	54	55	49	50	48	46	45	43	40	36	36	38
					3	72.4	35	38	41	60	54	46	60	64	56	52	66	64	52	47	51	63	59	61	55	52	54	48	49	47	45	44	42	39	37	34	36
					4	70.8	30	37	40	59	51	44	58	64	56	53	63	62	55	48	50	58	57	60	59	51	54	48	49	46	45	47	44	38	36	34	38
					5	71.8	32	40	37	59	55	48	54	64	57	53	63	61	54	47	50	63	62	61	58	51	55	48	49	47	44	45	43	39	36	35	37
				12	1	69.5	36	41	43	58	55	47	51	62	56	52	64	62	51	52	51	52	50	53	55	53	50	46	47	43	43	43	40	34	32	30	30
					2	68.8	30	31	38	56	52	43	53	64	57	52	60	60	54	51	48	52	50	54	57	51	48	48	47	44	41	42	41	34	31	29	32
					3	69.8	42	45	46	58	54	48	54	57	53	54	65	62	53	52	50	52	52	57	58	51	48	48	47	44	44	46	43	39	33	33	32
					4	69.1	38	33	43	55	51	43	53	59	55	52	65	62	53	52	51	53	50	54	53	54	52	45	47	43	43	42	39	36	31	31	32
					5	68.9	32	35	39	57	51	49	52	61	54	54	64	60	51	52	50	51	50	53	55	53	50	46	47	43	43	43	41	36	33	31	32
				13	1	89.4	49	45	54	80	74	59	70	62	60	74	84	81	71	68	70	80	77	78	76	72	68	64	65	65	63	62	61	56	54	54	57
					2	87.6	42	40	57	80	72	53	63	60	56	72	82	79	69	71	68	78	74	76	75	70	67	66	65	64	62	63	60	55	52	52	56
					3	87.5	43	44	55	77	77	56	59	64	66	69	78	80	68	73	72	79	79	75	75	70	67	65	65	64	61	62	59	53	52	55	
					4	88.1	42	42	58	78	77	57	61	64	66	71	81	78	68	73	70	80	78	78	76	72	69	68	65	66	64	63	60	56	55	54	56
					5	88.0	38	42	57	79	79	55	66	66	68	75	79	77	68	74	73	79	79	75	74	72	68	66	65	66	62	63	61	56	53	53	54
		60	1	1	85.1	47	47	55	76	75	55	61	64	64	69	79	74	67	69	68	73	75	72	73	69	65	63	62	63	58	59	55	54	54	56	56	
				2	86.2	50	49	57	78	76	56	62	64	63	71	78	76	65	70	68	78	75	75	72	70	67	64	63	62	59	58	55	54	54	57	57	
				3	85.9	46	47	59	77	78	57	59	66	65	68	79	76	68	69	68	75	76	72	72	68	65	63	63	62	59	58	53	53	56	56		
				4	85.5	48	49	58	78	77	58	59	64	65	68	77	74	66	70	69	76	75	73	71	69	67	63	64	62	57	58	57	53	53	55	55	
				5	85.2	44	44	55	75	77	55	57	64	65	67	78	76	66	67	66	76	75	71	72	66	63	61	61	59	56	57	56	53	52	55	55	
			2	1	87.1	46	47	57	78	78	60	61	63	67	70	81	77	67	71	70	78	77	73	74	69	66	64	63	63	59	58	56	53	52	53	53	
				2	85.6	47	44	56	78	72	50	64	61	56	63	76	77	66	69	67	80	75	73	71	68	65	61	61	61	58	56	55	50	51	49	52	
				3	85.8	48	46	57	78	73	55	65	61	59	65	79	76	65	67	68	77	74	73	73	69	66	62	60	60	58	57	55	53	51	50	51	
				4	86.2	48	48	58	78	78	56	61	63	64	68	80	77	64	68	67	75	75	73	71	69	65	61	64	61	59	57	56	53	52	50	52	
				5	86.1	44	47	58	77	79	56	59	63	63	68	77	77	66	70	68	78	76	72	72	68	65	62	63	60	59	58	56	52	51	50	52	
			3	1	86.1	49	45	53	79	74	54	65	61	60	70	78	77	65	69	68	78	76	74	73	69	64	62	63	63	59	58	56	54	53	53	56	
				2	84.9	41	47	55	71	78	57	53	56	61	64	77	78	64	66	69	76	74	73	71	64	61	60	60	60	56	57	54	52	52	52		
				3	85.1	44	44	56	77	76	51	61	67	65	68	77	75	63	67	67	77	73	73	71	68	64	62	61	61	59	58	55	53	53	57		
				4	85.4	49	44	53	78	73	52	63	59	60	66	79	74	65	68	66	78	72	74	72	68	64	62	62	59	60	58	57	55	53	51	53	56
				5	86.1	42	44	58	77	79	54	57	63	65	69	77	77	64	70	69	77	74	73	72	68	63	63	62	63	60	61	57	54	52	54	57	
			4	1	80.6	36	41	50	75	74	52	60	67	64	57	53	59	67	66	66	63	71	66	68	64	62	61	59	57	55	56	55	51	51	53	54	
				2	80.7	42	38	49	76	69	56	65	65	60	57	60	55	64	68	71	67	69	71	68	66	63	59	59	57	55	54	53	50	50	50	54	
				3	80.8	45	43	50	77	72	52	65	64	62	55	57	57	65	66	67	65	70	70	68	65	62	58	57	58	56	55	53	49	51	54	55	
				4	80.4	41	40	51	75	73	51	66	63	59	54	55	59	66	65	67	63	70	68	69	64	62	58	58	57	55	54	53	52	51	52	54	
				5	80.3	35	36	48	75	74	50	61	63	61	53	53	58	66	67	67	63	71	66	68	63	63	59	58	57	56	54	53	52	52	55	54	
			5	1	73.5	31	38	42	61	64	49	47	63	62	53	66	64	57	51	52	60	62	64	61	52	57	51	50	47	46	45	45	40	36	35	35	
				2	73.2	34	34	36	65	60	49	53	60	56	55	68	63	55	50	51	62	61	62	59	54	55	50	50	47	47	46	43	40	37	34	34	
				3	73.0	35	41	43	65	63	49	50	68	57	54	67	62	54	49	52	58	62	62	58	53	54	49	49	46	46	47	44	40	37	35	34	
				4	72.7	30	39	40	63	65	52	51	61	59	55	64	64	57	50	49	59	62	62	58	53	54	50	50	48	48	47	47	40	37	37	34	
				5	72.4	32	32	39	56	63	42	48	62	65	50	62	63	57	51	50	58	62	63	59	50	55	50	48	46	46	44	43	39	35	35	32	
			6	1	70.2	31	30	37	59	62	43	45	60	60	50	61	62	55	51	49	51	57	59	60	51	53	48	43	43	43	41	40	35	32	32	31	
2	70.1	28		32	38	55	60	44	48	60	59	51	60	62	57	51	49	53	58	60	59	51	54	49	44	44	43	42	42	33	30	30	30				
3	70.0	24		32	40	55	61	46	48	61	63	50	60	61	57	49	48	52	57	57	58	51	49	48	44	44	41	40	38	33	32	31	30				
4	70.1	32		35	43	60	61	51	48	57	56	55	62	62	57	50	44	54	59	60	57	47	49	46	46	43	42	41	40	35	33	31	31				
5	69.8	23		32	37	58	60	40	44	57	55	54	63	62	54	43	56	59	59	56	47	51	45	45	41	41	41	41	40	35	32	32	30				
7	1	86.3	39	41	56	76	75	54	61	64	62	69	78	78	69	71	68	79	77	73	72	69	66	63	64	63	61	62	57	55	53	50	53				
	2	86.0	33	39	51	70	75	57	55	61	66	67	78	80	67	72	71	77	76	73	72	68	64	62	62	62	59	58	55	52	50	52					
	3	86.8	42	44	50	73	75	51	59	63	64	68	81	80	68	71	70	78	76	75	73	69	65	63	63	63	59	61	60	55	52	50	52				
	4	85.4	42	41	53	75	72	58	63	61	61	68	79	74	66	71	69	77	75	75	73	68	65	60	64	64	59	59	58	54	52	50	53				
	5	86.6	39	44	52	76	77	53	58	64	67	70	80	78	74	68	71	68	77	76	74	74	68	65	60	65	60	60	60	55	52	51	53				

TABLE XVII.- SUMMARY OF ONE-THIRD OCTAVE BAND SOUND PRESSURE LEVELS FOR THE MODIFIED (TWO-BLADE TAIL ROTOR) OH-6A HELICOPTER (CONFIGURATION C) AS MEASURED ON TRACK AND LaterALLY FOR VARIOUS FLIGHT CONDITIONS, ALTITUDES, AND FORWARD SPEEDS - Continued

Date	Flight condition	Altitude, meters	Airspeed, knots	Microphone position	Flight	One-third octave band sound pressure levels, dB, for frequencies, Hz, of -																																
						Overall	10	12	16	20	25	32	40	50	63	80	100	125	160	200	250	320	400	500	630	800	1000	1250	1600	2000	2500	3200	4000	5000	6300	8000	10000	
11-8-69	Level (658 kg)*	30	60	8	1	86.7	45	45	56	78	77	56	63	65	64	67	80	75	67	70	67	78	76	72	73	69	66	64	64	64	60	59	58	57	55	55	55	51
					2	85.3	46	47	53	76	77	56	63	63	68	77	67	67	78	78	67	69	68	77	75	74	72	69	68	63	60	61	58	58	56	53	53	51
					3	85.8	45	41	54	78	71	52	66	62	57	66	78	78	67	69	68	77	79	67	75	74	73	72	68	65	62	61	58	58	56	53	53	51
					4	85.6	40	42	54	76	77	55	58	63	64	68	77	79	67	69	66	74	73	72	74	73	72	68	65	62	61	58	58	56	53	53	51	
					5	86.0	40	42	54	77	79	57	57	64	66	69	78	77	67	70	69	77	74	72	72	72	68	65	62	61	58	58	56	53	53	51		
				9	1	86.1	42	45	55	76	78	53	59	64	66	70	76	76	69	72	69	77	78	73	73	68	66	65	64	65	64	60	60	58	53	54	53	54
					2	85.6	40	41	53	74	77	52	58	64	66	70	75	75	67	71	67	77	75	74	69	68	65	64	65	60	60	58	56	53	51	52		
					3	86.3	43	42	53	76	72	51	64	63	61	65	79	76	64	68	68	80	77	75	74	70	65	60	63	62	58	59	56	53	53	52		
					4	85.7	43	41	54	77	75	53	62	62	61	68	77	74	64	70	68	78	76	76	74	70	67	61	64	63	58	58	55	52	52			
					5	85.6	43	44	54	77	73	53	64	60	59	67	77	76	68	69	67	78	77	75	72	69	65	62	63	63	59	60	56	52	52			
				10	1	78.0	39	40	43	67	59	51	58	70	60	56	57	55	62	65	69	65	68	71	67	69	63	60	57	57	55	54	55	51	50	49	48	
					2	78.6	41	43	47	60	63	56	62	70	64	56	55	61	67	71	67	63	69	67	67	63	60	57	56	50	58	56	54	57	56	51	50	
					3	78.7	32	35	45	61	65	54	63	70	65	54	53	61	65	65	67	63	72	68	70	66	64	59	58	55	55	54	52	51	50	49		
					4	78.3	33	36	45	64	70	51	60	64																								

*Take-off gross weight.

TABLE XVII.- SUMMARY OF ONE-THIRD OCTAVE BAND SOUND PRESSURE LEVELS FOR THE MODIFIED (TWO-BLADE TAIL ROTOR) OH-6A HELICOPTER
(CONFIGURATION C) AS MEASURED ON TRACK AND Laterally FOR VARIOUS FLIGHT CONDITIONS, ALTITUDES, AND FORWARD SPEEDS - Continued

Date	Flight condition	Altitude, meters	Airspeed, knots	Microphone position	Flight	One-third octave band sound pressure levels, dB, for frequencies, Hz, of -																																
						Overall	10	12	16	20	25	32	40	50	63	80	100	125	160	200	250	320	400	500	630	800	1000	1250	1600	2000	2500	3200	4000	5000	6300	8000	10000	
11-8-69	Level (658 kg)*	30	85	5	1	75.7	38	38	46	69	65	52	58	68	61	60	66	62	55	50	51	64	64	64	59	58	56	52	49	47	48	47	44	41	38	33	34	
					2	76.0	31	31	42	65	69	54	54	66	65	60	66	65	59	51	54	63	65	64	61	57	56	52	51	49	48	48	46	42	38	36	33	
					3	75.8	32	33	45	66	68	51	57	68	64	56	66	65	57	48	52	60	66	64	60	58	54	53	50	50	46	45	45	40	37	34	35	
					4	75.5	27	35	42	69	67	49	57	67	61	58	65	64	53	48	53	62	64	64	60	56	56	52	50	48	48	46	45	40	38	36	34	
					5	75.8	34	42	45	62	70	52	54	67	69	57	61	62	58	50	52	61	65	65	59	56	57	52	50	50	50	47	45	41	37	36	35	
				6	1	72.6	31	36	40	64	65	50	55	65	61	53	62	60	54	51	45	59	62	61	59	51	52	46	50	45	45	42	41	36	34	32	31	
					2	73.0	29	28	36	64	65	49	50	64	61	55	63	63	58	52	47	58	60	62	60	51	54	48	49	44	45	42	40	35	32	31	30	
					3	73.3	33	40	45	63	65	48	54	64	59	54	66	64	57	51	45	56	62	61	60	51	54	46	47	44	43	41	39	36	33	30	30	
					4	72.0	33	41	44	62	66	50	51	63	61	53	61	61	56	51	49	55	60	62	60	49	53	47	49	45	44	42	39	37	34	32	31	
					5	72.4	32	39	35	59	67	49	49	64	64	54	57	61	57	53	50	55	60	60	59	51	55	51	49	46	45	43	41	36	33	32	31	
				7	1	88.4	47	48	53	75	78	61	62	63	65	72	82	82	81	72	74	72	80	78	76	76	70	66	64	63	63	60	60	59	56	55	51	53
					2	87.3	43	46	56	74	75	60	60	62	62	69	77	81	69	72	71	80	76	76	74	69	65	62	61	62	60	58	57	55	55	50	54	
					3	88.0	46	49	55	75	77	62	62	63	67	70	80	81	70	74	70	80	78	76	75	70	67	63	62	62	61	60	58	57	55	51	54	
					4	87.2	42	47	53	73	80	66	60	64	65	68	79	79	68	73	73	77	78	74	75	70	67	63	60	61	60	59	59	56	54	52	54	
					5	87.5	42	46	50	72	80	60	58	62	65	73	77	81	71	73	73	79	76	74	75	71	64	63	60	62	58	60	58	56	54	51	53	
				8	1	86.6	47	50	56	75	79	64	55	64	65	68	78	79	66	71	71	77	76	73	74	69	64	61	59	59	58	58	56	55	55	54	51	
					2	87.3	52	52	60	77	76	61	62	63	62	67	81	79	67	71	70	81	76	73	73	70	66	62	60	62	59	57	57	54	54	54	51	
					3	85.8	48	51	56	74	79	62	56	64	63	68	77	78	68	71	69	75	75	72	75	69	64	61	59	60	57	59	57	54	54	54	51	
					4	87.0	47	52	57	73	80	61	55	63	65	66	79	82	68	70	70	75	74	72	74	68	64	61	60	60	57	56	57	55	55	55	52	
					5	87.3	46	51	52	72	81	65	59	64	65	68	78	81	69	73	71	76	76	72	73	72	66	61	60	61	58	58	56	55	54	54	51	
9	1	86.0	39	46	50	69	79	64	58	63	63	66	74	80	69	68	69	77	77	73	72	70	63	61	61	59	57	56	54	52	53	52	51					
	2	86.8	44	46	54	73	76	60	56	62	64	69	79	80	68	72	71	79	78	74	73	70	64	62	60	62	58	57	55	52	52	52	53					
	3	86.6	38	46	59	71	79	61	55	62	63	70	78	81	68	69	69	75	76	72	73	69	62	61	60	61	57	57	56	52	51	52	52					
	4	87.6	46	45	54	73	77	62	55	63	63	69	81	82	66	71	68	78	77	73	74	70	65	62	60	61	58	58	55	52	53	53	52					
	5	86.5	43	46	53	71	78	60	59	65	63	69	79	79	66	71	70	78	76	74	75	70	65	61	60	60	59	58	58	55	53	52	52	52				
10	1	81.0	34	42	50	66	72	57	63	70	71	58	53	63	67	70	70	66	73	67	72	66	63	60	58	57	55	55	55	51	50	50	50					
	2	81.9	32	41	52	64	68	56	66	73	70	58	56	67	70	73	70	66	74	70	71	66	64	61	60	57	56	55	55	53	49	50	51					
	3	80.7	37	43	46	65	73	57	60	68	70	56	56	61	66	67	69	64	72	72	69	67	66	61	58	57	56	54	55	51	51	48	50					
	4	81.1	40	49	52	64	70	60	65	71	70	56	52	63	69	71	71	65	73	70	70	67	63	59	59	57	56	55	56	51	50	49	52					
	5	81.1	35	44	50	65	74	56	62	67	70	57	54	65	69	70	74	64	72	70	71	67	66	60	58	55	56	54	55	51	49	49	48					
11	1	74.6	30	35	39	53	49	53	59	68	63	59	66	64	56	52	58	65	65	63	58	60	56	56	50	49	46	47	45	42	37	36	36					
	2	74.9	27	35	39	47	51	50	57	68	62	57	64	63	56	52	57	67	66	65	59	60	58	55	51	49	47	46	43	42	37	36	36					
	3	74.3	33	35	43	52	47	52	57	69	61	60	64	62	56	49	58	66	65	62	57	59	53	51	50	48	46	46	43	40	36	34	37					
	4	74.7	30	34	37	51	52	46	58	67	62	58	67	65	54	51	56	65	66	62	60	55	56	50	47	47	44	44	40	37	35	37						
	5	74.7	28	32	40	50	48	52	59	68	61	56	64	63	53	52	60	68	65	62	58	62	55	52	52	48	47	45	43	39	36	35	37					
12	1	72.0	31	33	44	46	47	49	54	67	65	55	59	61	57	54	54	54	56	61	61	57	50	49	46	44	43	42	39	36	32	30	33					
	2	72.2	31	37	36	56	51	47	53	69	61	58	61	60	58	55	53	54	53	58	61	54	49	50	48	45	43	43	40	37	34	31	31					
	3	71.6	29	39	40	47	51	48	51	66	65	54	59	60	59	52	53	55	57	60	61	55	50	50	44	43	43	40	36	32	31	31						
	4	71.8	32	42	36	52	47	48	57	68	59	56	62	61	59	55	50	54	54	57	61	55	50	51	46	46	44	43	39	36	33	32	32					
	5	72.1	28	38	39	46	46	51	55	67	62	55	61	61	58	55	52	55	60	63	63	52	53	49	46	43	43	39	40	35	32	31	32					
13	1	88.3	53	54	58	78	78	62	63	62	65	73	81	76	70	75	72	80	78	75	76	71	68	65	63	64	62	62	60	55	53	54	55					
	2	87.6	50	49	56	76	75	59	64	62	65	74	78	80	69	75	72	78	76	75	70	67	65	63	63	61	60	59	56	53	56	56						
	3	88.3	43	50	54	72	81	64	60	61	64	66	80	82	69	73	72	78	75	75	70	66	63	63	60	61	60	59	57	54	54	54						
	4	87.9	49	51	56	76	78	62	63	62	64	76	81	79	67	74	72	79	78	75	75	71	67	64	62	62	62	61	58	57	54	55	57					
	5	86.5	37	48	49	68	81	64	62	67	64	63	73	81	71	65	70	76	76	73	72	72	64	60	60	60	59	58	57	53	51	50	55					

TABLE XVII.- SUMMARY OF ONE-THIRD OCTAVE BAND SOUND PRESSURE LEVELS FOR THE MODIFIED (TWO-BLADE TAIL ROTOR) OH-6A HELICOPTER
(CONFIGURATION C) AS MEASURED ON TRACK AND Laterally for Various Flight Conditions, Altitudes, and Forward Speeds - Continued

Date	Flight condition	Altitude, meters	Airspeed, knots	Microphone position	Flight	One-third octave band sound pressure levels, dB, for frequencies, Hz, of -																
						Overall	10	12	16	20	25	32	40	50	63	80	100	125	160	200	250	
						10	12	16	20	25	32	40	50	63	80	100	125	160	200	250	320	
11-13-69	Take-off (662 kg)*	†	†	1	1	96.6	57	46	55	68	71	61	66	75	68	80	92	87	79	79	78	
					2	94.5	52	53	54	68	66	60	61	72	67	74	87	88	78	76	76	
					3	95.0	50	47	55	70	66	61	64	72	68	78	90	87	78	79	77	
					4	95.0	48	50	57	68	68	59	64	74	69	77	87	87	76	79	78	
					5	95.0	48	50	57	68	68	59	64	74	69	77	87	87	76	79	78	
				2	1	89.6	44	40	50	69	63	53	59	59	58	69	83	80	70	70	70	
					2	90.3	46	51	52	65	66	60	60	61	62	71	84	84	71	74	72	
					3	89.1	48	44	55	69	69	62	59	62	59	70	81	81	69	72	73	
					4	89.6	50	49	54	70	67	59	65	66	63	73	83	83	71	74	74	
					5	90.3	50	51	56	74	70	61	62	66	64	71	82	79	69	72	73	
				3	1	86.0	44	41	52	66	64	57	55	62	59	70	80	79	66	71	70	
					2	85.1	42	41	50	65	62	52	57	58	59	66	78	65	69	68	72	
					3	85.8	45	48	53	66	62	57	60	62	60	71	79	78	67	72	69	
					4	86.9	45	45	46	69	64	59	62	60	58	69	80	77	67	69	68	
					5	86.9	49	46	56	66	68	61	59	65	63	71	82	78	66	71	71	
				4	1	84.9	43	42	41	63	59	51	59	81	73	67	77	76	74	69	66	
					2	85.9	45	45	47	68	64	52	59	81	72	64	77	76	70	69	67	
					3	84.7	49	51	52	66	62	55	57	80	72	67	77	76	73	66	68	
					4	85.3	53	55	59	67	64	53	60	81	73	65	76	74	72	69	65	
					5	84.2	50	45	52	67	64	54	61	79	71	66	76	72	70	66	64	
				5	1	76.6	29	32	39	54	50	46	53	73	66	58	69	67	64	61	61	
					2	77.2	32	37	41	63	55	47	52	70	60	57	72	67	61	57	54	
					3	76.6	30	32	41	60	55	47	51	71	63	59	68	65	63	60	58	
					4	77.3	33	37	36	58	56	42	56	74	66	57	68	67	64	62	61	
					5	78.5	37	41	44	60	57	45	53	75	67	58	71	68	65	63	66	
				6	1	75.2	33	38	35	53	50	46	52	72	65	56	68	65	63	56	48	
					2	75.8	28	37	38	57	54	43	51	72	64	56	68	68	61	58	51	
					3	75.1	31	37	43	58	53	45	50	70	62	59	68	66	61	54	49	
					4	76.1	36	38	42	57	53	45	54	72	65	52	69	66	62	57	51	
					5	70.9	40	33	39	57	51	47	54	66	55	54	58	54	55	51	55	
				7	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
					2	81.9	43	34	37	58	52	49	56	74	65	63	74	76	71	67	69	
					3	82.6	30	32	38	59	53	49	54	71	62	64	76	74	71	68	70	
					4	82.1	46	32	36	58	51	47	56	72	61	66	74	74	75	68	70	
					5	85.0	48	31	37	57	54	51	59	74	68	67	78	75	73	74	75	
				8	1	74.7	32	36	39	53	49	52	51	67	61	63	69	69	65	60	58	
					2	74.8	38	38	38	55	47	48	53	67	58	60	69	70	65	59	56	
					3	74.6	32	37	39	55	51	49	52	65	57	58	70	69	63	58	57	
					4	75.5	33	39	41	56	48	49	50	67	58	62	70	72	62	58	54	
					5	75.0	39	40	37	51	51	48	53	66	61	61	70	68	64	60	59	

*Take-off gross weight.

†Transition to forward flight - Increase altitude and airspeed simultaneously until 122 meters and 50 knots, respectively, are reached.

TABLE XVII.- SUMMARY OF ONE-THIRD OCTAVE BAND SOUND PRESSURE LEVELS FOR THE MODIFIED (TWO-BLADE TAIL ROTOR) OH-6A HELICOPTER
(CONFIGURATION C) AS MEASURED ON TRACK AND Laterally FOR VARIOUS FLIGHT CONDITIONS, ALTITUDES, AND FORWARD SPEEDS - Continued

Date	Flight condition	Altitude, meters	Airspeed, knots	Microphone position	Flight	One-third octave band sound pressure levels, dB, for frequencies, Hz, of -																																
						Overall	10	12	16	20	25	32	40	50	63	80	100	125	160	200	250	320	400	500	630	800	1000	1250	1600	2000	2500	3200	4000	5000	6300	8000	10000	
11-13-69	Take-off (662 kg)*	↑	↑	9	1	72.0	37	42	46	50	44	46	53	65	58	61	66	66	61	54	51	50	41	49	51	53	51	46	42	42	39	38	37	32	28	28	28	
					2	73.0	30	35	40	53	48	47	53	65	58	59	66	68	64	56	53	50	43	51	53	53	53	49	45	46	41	39	35	30	28	29	31	
					3	72.5	43	42	53	54	54	54	52	65	59	59	67	67	59	55	53	52	46	47	50	52	51	47	47	45	44	42	37	34	31	30	31	
					4	72.8	31	34	41	57	49	44	53	64	58	58	68	68	60	53	50	49	43	49	48	51	50	48	43	41	41	33	30	29	31			
					5	72.4	34	40	40	51	50	48	47	65	56	59	66	68	59	53	52	52	45	46	46	48	50	47	44	43	43	39	39	33	29	28	29	
				10	1	80.6	41	43	44	66	56	50	54	74	63	63	73	72	66	62	58	62	63	71	71	66	57	57	56	57	53	50	51	46	46	45	46	
					2	84.4	34	40	43	49	53	52	61	81	73	64	78	72	68	64	63	67	65	69	72	69	63	57	61	59	55	54	52	48	46	47	46	
					3	83.9	40	41	42	57	54	54	56	80	73	65	77	75	67	64	63	64	63	69	70	68	63	54	60	57	53	54	51	49	47	47	46	
					4	84.8	38	40	45	51	48	53	59	82	73	63	75	75	70	64	62	66	64	70	71	71	66	56	60	57	54	54	52	48	47	45	46	
					5	85.4	35	34	42	56	55	52	57	82	73	67	76	77	70	66	63	68	65	70	71	70	64	56	61	56	56	55	51	50	46	46	46	
				11	1	76.6	31	28	41	57	53	49	54	74	67	59	68	65	60	56	57	58	51	52	56	56	55	53	52	50	46	42	40	35	32	33	36	
					2	76.5	32	38	34	56	51	49	52	73	65	60	70	64	63	59	59	60	51	54	56	58	55	52	51	50	45	43	40	35	32	34	35	
					3	76.6	28	37	47	49	49	50	52	72	64	59	71	67	61	58	53	57	56	57	62	59	57	50	45	49	46	41	40	33	32	34	34	
					4	76.8	34	41	44	55	55	48	56	74	66	57	67	66	60	60	60	63	57	54	58	59	56	54	52	49	45	44	41	35	32	33	36	
					5	77.3	31	38	41	55	53	53	51	74	66	60	70	68	63	59	56	59	55	53	57	59	56	53	52	51	46	42	40	36	34	33	34	
				12	1	72.5	38	39	41	52	48	47	51	66	57	58	69	63	58	53	50	54	49	53	55	50	53	48	47	47	42	38	36	33	30	28	31	
					2	74.5	27	32	41	52	49	47	48	67	59	57	72	66	59	55	49	54	52	52	54	53	50	47	46	42	40	40	35	31	29	29	33	
					3	73.1	32	39	47	45	47	49	52	64	55	58	70	65	57	52	55	59	50	54	56	56	55	51	51	45	37	39	35	33	30	30	31	
					4	72.7	39	41	42	52	49	49	51	65	58	57	69	63	59	56	53	58	53	54	56	54	52	47	46	41	40	39	36	33	28	30	31	
					5	74.3	40	36	37	54	50	49	48	67	59	53	71	65	58	55	50	56	53	52	53	52	49	44	45	44	41	37	33	31	29	29	31	
	Landing* (662 kg)*	‡	‡	1	1	80.9	35	33	43	68	63	49	55	78	72	60	69	71	64	58	57	54	60	65	66	63	59	58	58	52	54	51	46	44	43	48		
					2	79.7	33	36	43	67	62	50	57	76	69	63	68	69	65	56	54	54	59	64	66	64	57	57	59	57	53	52	51	47	45	43	46	
					3	80.6	36	34	41	65	60	49	57	78	71	63	68	69	65	59	57	54	62	66	68	66	60	59	60	57	53	52	50	46	41	41	46	
					4	80.6	32	36	42	67	59	52	58	77	71	62	69	72	65	61	55	56	63	66	69	65	59	60	58	60	50	51	49	46	44	42	48	
					5	80.2	33	38	44	67	63	54	54	77	70	63	70	69	63	57	55	53	59	65	65	60	57	53	53	54	47	50	48	46	44	44	52	
				2	1	73.9	30	34	40	62	57	49	49	71	65	57	63	63	58	48	44	41	45	48	51	54	54	51	49	45	43	45	39	35	29	28	30	
					2	73.2	38	39	34	58	53	46	52	71	64	55	63	60	56	50	45	41	46	52	55	55	57	52	46	47	47	40	41	33	30	29	30	
					3	73.3	29	29	36	59	54	47	50	71	64	60	59	61	57	50	46	41	44	50	54	58	59	53	51	45	45	45	39	36	31	30	35	
					4	73.5	36	33	38	58	55	48	53	71	65	56	61	61	58	50	46	43	43	49	53	55	56	51	44	45	45	40	40	32	30	30	29	
					5	72.7	38	40	48	60	57	47	52	70	64	57	62	60	54	49	46	42	45	51	53	54	57	52	47	48	42	37	33	29	28	29		
				3	1	71.4	34	38	42	56	51	48	49	69	63	57	62	60	51	47	43	40	39	45	50	50	53	49	48	44	38	38	34	30	26	26	27	
					2	69.5	30	31	38	56	54	43	51	67	61	53	59	56	50	47	41	38	38	45	49	50	55	51	47	41	39	37	32	31	26	25	26	
					3	69.6	34	35	40	54	48	48	49	66	61	57	58	58	53	46	42	36	39	46	49	53	55	52	49	48	47	43	39	31	29	25	28	
					4	70.3	32	36	42	59	53	46	51	68	62	53	58	60	52	45	45	42	41	42	45	47	49	47	41	35	32	32	29	26	25	27		
					5	70.0	35	40	46	56	53	48	54	67	62	55	61	58	50	46	41	41	40	45	47	48	52	48	42	40	39	35	33	29	25	26	27	
				4	1	83.3	36	39	51	78	73	53	71	71	67	65	75	75	69	67	63	63	59	66	68	69	61	59	60	57	52	55	52	47	47	47	51	
					2	83.0	41	38	46	77	74	53	70	74	70	65	73	73	70	65	66	67	62	64	67	66	61	58	58	57	51	56	54	49	47	49	47	
					3	83.5	38	40	49	78	71	54	64	64	64	67	64	78	74	68	66	64	62	58	67	68	65	61	55	58	58	51	55	52	48	47	49	50
					4	84.3	39	43	45	65	60	54	56	63	62	68	77	81	74	72	71	70	63	61	66	68	66	61	60	58	56	55	53	51	47	48	47	
					5	82.9	38	41	46	76	72	55	64	73	67	64	75	74	70	66	66	66	61	67	70	67	62	59	58	58	52	56	55	48	47	48	50	

*Take-off gross weight.

†Transition to forward flight - Increase altitude and airspeed simultaneously until 122 meters and 50 knots, respectively, are reached.

‡Transition to hover - Starting from approximately 61 meters altitude and 50 knots airspeed, set up a rate of descent of approximately 183 m/min; decrease airspeed gradually throughout approach to a 1.8 meter hover.

TABLE XVII.- SUMMARY OF ONE-THIRD OCTAVE BAND SOUND PRESSURE LEVELS FOR THE MODIFIED (TWO-BLADE TAIL ROTOR) OH-6A HELICOPTER
(CONFIGURATION C) AS MEASURED ON TRACK AND Laterally for Various Flight Conditions, Altitudes, and Forward Speeds - Concluded

Date	Flight condition	Altitude, meters	Airspeed, knots	Microphone position	Flight	One-third octave band sound pressure levels, dB, for frequencies, Hz, of -																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
						Overall	10	12	16	20	25	32	40	50	63	80	100	125	160	200	250	320	400	500	630	800	1000	1250	1600	2000	2500	3200	4000	5000	6300	8000	10000																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
11-13-69	Landing (662 kg)*	†	†	5	1	75.2	38	41	43	64	57	50	60	68	61	55	70	67	63	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62	59	66	66	62	58	58	62

*Take-off gross weight.

†Transition to hover - Starting from approximately 61 meters altitude and 50 knots airspeed, set up a rate of descent of approximately 183 m/min; decrease airspeed gradually throughout approach to a 1.8 meter hover.

TABLE XVIII.- SUMMARY OF ONE-THIRD OCTAVE BAND SOUND PRESSURE LEVELS FOR THE STANDARD OH-6A HELICOPTER (CONFIGURATION D)
AS MEASURED ON TRACK AND Laterally FOR VARIOUS FLIGHT CONDITIONS, ALTITUDES, AND FORWARD SPEEDS

Date	Flight condition	Altitude, meters	Airspeed, knots	Microphone position	Flight	One-third octave band sound pressure levels, dB, for frequencies, Hz, of -																																			
						Overall	10	12	16	20	25	32	40	50	63	80	100	125	160	200	250	320	400	500	630	800	1000	1250	1600	2000	2500	3200	4000	5000	6300	8000	10000				
3-1-71	Level (1094 kg)*	30	40	1	1	93.7	50	52	59	52	63	74	59	65	78	77	88	81	74	87	76	85	84	81	80	77	72	71	71	72	65	64	61	61	60	61	58	61	58		
					2	93.1	47	48	51	59	67	85	63	58	76	70	86	78	69	85	72	84	78	74	72	73	69	68	68	71	68	68	67	64	64	60	60	57	58	58	
					3	93.4	47	53	57	56	67	86	67	61	77	73	87	81	71	86	75	85	81	77	77	75	72	71	71	70	74	64	66	62	61	59	61	59	61	58	
					4	94.4	49	51	59	56	69	87	66	62	79	74	89	81	71	86	77	85	83	80	77	77	73	72	71	71	66	64	61	62	60	61	62	60	61	58	
					5	93.3	47	53	51	58	66	87	70	60	72	72	88	84	74	85	79	81	79	78	78	75	73	69	69	68	71	66	64	66	59	58	57	57	61	60	
					6	93.8	47	49	53	54	67	86	67	60	78	72	89	83	73	86	74	83	78	77	78	75	73	71	72	71	66	68	62	60	60	60	60	60	57	59	
					2	1	92.6	49	52	59	57	67	80	60	60	76	73	86	82	72	86	75	84	81	79	78	74	73	71	69	69	69	66	64	60	61	61	61	61	61	65
						2	92.8	47	51	56	56	67	86	65	58	74	72	87	82	71	85	74	84	81	78	75	74	73	71	68	69	67	64	63	60	60	57	57	62	61	65
						3	93.0	47	51	56	55	66	86	67	58	74	72	87	83	70	85	75	84	81	77	75	74	74	72	69	67	63	62	57	58	56	56	62	58	62	
						4	94.0	48	49	59	56	67	85	64	60	77	74	88	81	71	87	76	86	82	79	78	74	72	69	68	68	63	62	57	57	56	56	62	58	62	
						5	93.4	47	48	61	57	64	76	55	61	77	74	89	80	70	87	74	85	83	80	78	74	71	70	69	65	62	59	58	57	57	63	60	60		
						6	92.6	46	49	62	57	64	79	60	60	76	72	87	81	67	85	74	85	83	78	76	73	71	67	68	68	64	60	56	57	56	64	60	59		
					3	1	93.5	51	54	58	62	70	79	61	63	77	75	88	82	72	86	76	85	83	80	79	75	72	71	73	70	65	62	60	59	57	61	60	62	59	
						2	92.2	48	52	54	56	66	86	67	58	75	72	87	79	70	83	73	82	79	76	74	71	69	68	68	65	63	65	60	59	57	57	59	59	62	
						3	93.5	49	56	59	54	64	83	62	61	78	73	89	81	69	86	76																			

*Take-off gross weight.

TABLE XVIII.- SUMMARY OF ONE-THIRD OCTAVE BAND SOUND PRESSURE LEVELS FOR THE STANDARD OH-6A HELICOPTER (CONFIGURATION D)
AS MEASURED ON TRACK AND Laterally for Various Flight Conditions, Altitudes, and Forward Speeds - Continued

Date	Flight condition	Altitude, meters	Airspeed, knots	Microphone position	Flight	One-third octave band sound pressure levels, dB, for frequencies, Hz, of -																																		
						Overall	10	12	16	20	25	32	40	50	63	80	100	125	160	200	250	320	400	500	630	800	1000	1250	1600	2000	2500	3200	4000	5000	6300	8000	10000			
3-1-71	Level (1094 kg)*	30	40	10	1	92.0	48	48	58	55	77	90	65	60	68	68	76	81	76	68	71	77	76	77	75	69	68	66	63	64	59	57	57	56	57	58	58			
					2	90.6	46	48	57	53	72	88	65	54	57	66	82	79	75	69	72	75	78	76	75	73	70	67	66	65	64	58	56	56	55	55	55	54	54	54
					3	91.1	46	48	57	57	73	88	64	58	65	72	82	76	77	69	74	77	78	77	75	72	71	68	66	64	62	59	56	56	54	55	55	55	55	55
					4	93.0	46	52	59	57	75	92	68	60	63	67	79	76	75	66	73	80	78	77	77	75	70	69	68	65	63	60	57	55	54	54	55	55	55	55
					5	91.5	47	51	61	58	73	89	67	58	59	66	81	78	75	68	72	76	78	77	76	74	70	68	67	66	63	60	57	55	54	55	55	55	55	55
					6	92.6	45	47	59	56	76	91	67	57	67	68	79	77	76	67	71	78	75	77	76	76	72	68	67	65	63	59	57	56	55	55	56	56	56	
				11	1	88.8	51	51	56	57	75	87	62	60	65	63	67	63	70	78	70	69	73	75	72	71	69	67	64	62	61	59	56	55	55	56	56	56	56	
					2	88.4	46	48	52	57	72	87	63	62	70	53	58	69	68	76	64	71	74	75	74	70	69	67	66	63	62	58	57	54	52	54	53	53	53	
					3	88.2	46	50	57	53	70	86	64	63	75	58	59	67	74	75	67	72	76	72	73	71	67	68	66	63	60	58	56	54	53	55	54	54	54	
					4	89.3	43	50	52	53	74	88	63	60	66	54	65	61	66	78	70	72	72	75	75	72	71	69	66	63	62	60	54	56	52	54	54	54	54	
					5	88.7	50	54	55	56	72	87	64	63	74	60	62	68	72	77	68	68	75	72	74	68	67	66	63	61	60	56	54	53	52	52	53	53		
					6	89.0	49	52	53	53	72	88	65	58	67	61	59	66	66	77	68	67	74	74	72	72	69	69	67	65	63	61	60	57	55	53	55	55	55	55
			12	1	84.7	49	49	50	54	70	83	60	60	66	61	65	60	67	76	68	69	67	70	70	68	64	63	59	57	57	52	50	50	50	52	54	54	54		
				2	84.2	45	49	50	51	70	83	60	57	64	57	59	59	64	74	66	66	66	67	69	66	63	60	59	55	53	51	46	50	47	47	49	49			
				3	84.8	43	45	52	49	69	83	60	56	62	59	63	56	64	75	68	70	66	70	69	65	64	60	57	53	50	46	45	43	45	46	46	46	46		
				4	86.0	47	51	52	50	69	84	60	59	63	60	63	57	63	78	68	71	68	75	70	69	65	63	60	59	58	52	47	46	44	46	46	46			
				5	85.3	47	53	48	53	67	83	61	60	71	59	61	62	69	78	68	64	72	68	70	65	62	61	59	57	55	52	45	46	43	45	46	46	46		
				6	85.2	40	44	41	50	69	83	59	58	64	61	66	57	62	74	70	70	66	70	70	70	64	63	59	57	54	50	45	46	43	45	45	45	45		
			13	1	89.1	47	48	52	51	64	81	60	58	73	73	84	73	67	82	71	80	77	74	73	71	67	66	65	64	61	58	56	55	55	55	55	55	55		
				2	94.1	48	49	60	55	68	84	64	61	77	76	88	80	71	88	75	86	83	79	77	74	72	70	70	69	66	62	59	57	56	58	58	58	58		
				3	94.8	48	52	63	56	68	84	65	62	78	75	89	81	73	88	77	87	82	80	80	75	72	70	70	69	66	62	59	57	56	58	58	58	58		
				4	94.3	50	53	58	60	68	87	70	61	78	73	90	81	73	86	73	84	80	78	77	75	73	72	70	70	67	66	62	60	59	59	59	59	59		
				5	93.2	51	53	63	59	68	76	58	62	78	76	89	79	69	86	75	85	82	79	78	74	73	69	69	65	62	60	58	57	59	59	59	59	59		
				6	94.2	49	50	60	57	67	76	55	60	77	75	89	80	71	88	75	85	84	81	79	76	74	71	71	68	65	63	60	59	60	59	60	58	58	58	
		55	1	1	93.6	47	50	53	54	67	87	70	57	72	72	89	82	72	86	77	82	77	76	76	74	70	68	69	69	65	67	61	60	58	58	58	58			
				2	93.4	46	46	59	56	65	81	62	55	70	76	88	78	69	86	76	85	84	78	78	75	72	70	71	71	64	64	64	60	59	60	59	59			
				3	94.4	47	49	59	61	67	87	69	55	73	75	89	82	71	88	77	85	80	79	75	73	71	72	69	65	65	63	61	60	59	61	60	59	59		
				4	93.9	44	46	57	60	69	87	67	57	73	74	89	80	71	87	74	85	81	79	75	73	71	70	69	69	66	66	61	60	59	59	59	59			
				5	93.5	50	51	57	57	65	86	67	56	73	72	88	80	72	87	75	84	82	79	75	74	71	68	70	68	63	65	61	60	59	59	59	59			
			2	1	93.9	47	49	59	58	67	87	66	58	73	75	88	79	69	87	77	86	82	79	77	73	71	70	69	67	66	63	58	59	58	61	57	57			
				2	93.0	48	50	55	60	65	85	66	57	73	72	88	79	69	86	74	84	79	77	76	73	71	68	68	69	65	66	62	60	57	63	58	58			
				3	94.6	46	53	59	58	68	87	69	58	75	74	90	81	67	86	78	86	81	79	77	74	71	68	68	69	65	66	62	60	57	63	58	58			
				4	94.0	45	51	60	54	69	87	66	57	74	73	88	80	70	86	76	86	80	79	77	72	69	70	69	66	65	62	60	57	63	58	58				
				5	93.8	46	52	54	56	66	88	71	56	73	72	89	83	72	85	78	82	78	76	75	74	70	68	68	70	67	66	63	60	57	63	58	58			
			3	1	93.4	49	53	55	54	67	86	66	56	74	73	88	81	70	86	75	85	80	79	75	74	70	68	69	70	66	66	61	61	59	60	58	58			
				2	93.2	47	49	59	57	65	81	61	57	69	75	89	79	69	86	75	85	84	78	77	75	71	69	70	71	65	63	59	59	59	59	59	59			
		3		94.4	48	49	59	58	67	85	66	56	72	76	89	81	70	87	78	85	84	79	78	74	73	71	72	69	65	65	61	61	59	62	58	58				
		4		93.9	46	47	56	58	69	88	69	57	72	72	88	79	72	87	74	84	79	79	74	74	71	69	70	69	65	68	63	61	58	60	58	58				
		4	1	93.8	49	51	62	56	75	92	71	60	60	64	81	79	77	67	74	80	79	76	77	75	73	70	69	67	64	62	60	58	57	57	56	56				
			2	93.3	51	52	53	56	74	92	71	67	59	63	82	76	77	67	74	78	78	74	75	73	70	70	69	67	63	61	57	57	57	57	57					
			3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
			4	94.0	50	52	59	57	76	93	71	62	63	63	81	80	77	70	77	78	77	78	77	75	73	71	70	68	67	64	61	59	57	57	56	56				
			5	93.7	49	48	59	58	75	92	71	62	63	66	82	80	76	66	72	76	76	77	75	73	71	70	68	68	65	63	60	58	58	58	58	55				
		5	1	89.4	47	51	55	53	70	88	68	60	65	56	57	66	70	75	69	68	74	70	72	69	68	67	66	64	62	58	54	54	50	51	51	52	52			
			2	90.0	43	48	53	55	73	89	66	64	71	56	57	66	69	74	69	68	75	69	72	71	68	68	67	65	62	59	54	54	52	52	52	53				
			3	89.7	46	47	57	54	73	89	66	64	70	57	62	64	67	72	69	66	74	72	74	72	69	68	67	65	62	59	54	54	52	52	52	53				
			4	89.4	43	50	50	53	70	88	67	61	63	57	62	66	67	76	71	63	75	70	72	72	71	68	66	65	62	59	55	55	52	50	53	52				
			5	89.3	44	49	52	53	71	88	67	63	68	56	56	70																								

TABLE XVIII. - SUMMARY OF ONE-THIRD OCTAVE BAND SOUND PRESSURE LEVELS FOR THE STANDARD OH-6A HELICOPTER (CONFIGURATION D)
AS MEASURED ON TRACK AND Laterally FOR Various FLIGHT CONDITIONS, ALTITUDES, AND FORWARD SPEEDS - Continued

Date	Flight condition	Altitude, meters	Airspeed, knots	Microphone position	Flight	One-third octave band sound pressure levels, dB, for frequencies, Hz, of -																																
						Overall	10	12	16	20	25	32	40	50	63	80	100	125	160	200	250	320	400	500	630	800	1000	1250	1600	2000	2500	3200	4000	5000	6300	8000	10 000	
3-1-71	Level (1094 kg)*	30	55	7	1	93.0	48	51	55	55	67	86	68	57	72	72	88	78	69	85	75	85	78	76	75	74	71	69	68	67	65	65	63	61	57	57	56	
					2	93.0	49	52	60	59	68	85	65	57	74	74	88	79	70	85	75	83	80	80	79	73	71	70	69	68	67	65	64	61	58	58	56	
					3	93.0	50	54	54	54	69	84	67	58	76	73	89	77	69	85	74	82	79	77	77	74	70	68	68	67	67	68	62	61	59	59	57	
					4	94.4	48	49	53	57	69	88	70	58	75	72	89	81	70	87	75	86	78	79	76	74	71	69	69	67	67	68	65	62	58	59	58	
					5	93.7	53	49	54	59	67	85	67	57	75	76	89	81	72	86	75	84	81	79	77	75	71	69	70	70	65	67	63	61	58	58	58	
				8	1	92.8	46	44	54	50	65	86	69	56	73	72	87	83	71	85	74	83	78	76	74	73	69	67	66	67	64	64	61	58	56	55	55	
					2	92.6	46	48	55	56	66	83	64	57	72	73	87	81	71	86	75	84	79	77	77	74	70	69	70	65	64	61	58	57	57	56		
					3	93.2	46	46	54	58	66	85	68	54	71	72	88	81	70	86	76	84	80	79	77	73	70	68	67	69	65	63	60	58	56	55	54	
					4	92.3	46	46	52	53	67	84	66	55	73	69	88	80	68	85	74	81	79	75	74	69	69	66	64	65	64	62	60	58	56	55	54	
					5	93.1	47	48	55	57	66	85	66	56	72	74	88	81	71	86	74	83	80	78	75	73	70	68	69	68	67	62	62	57	55	55	54	
				9	1	92.4	47	44	48	50	62	81	59	56	70	74	87	78	72	85	76	85	82	77	75	73	70	68	68	67	66	61	59	58	55	55	58	
					2	93.4	46	45	47	49	61	76	55	55	71	75	89	80	70	86	76	86	83	79	77	74	71	69	69	69	66	61	60	55	55	57		
					3	92.0	46	44	49	50	62	76	55	54	69	75	87	78	70	85	76	84	82	77	76	74	73	68	68	68	64	61	59	58	55	56	57	
					4	92.7	46	44	50	53	61	81	62	53	71	74	88	81	69	86	75	84	81	78	75	72	69	67	68	68	66	64	60	56	55	55	57	
					5	91.5	46	44	49	53	60	77	58	53	69	70	86	77	70	85	74	84	79	78	76	72	69	67	69	67	65	62	60	57	55	55	57	
				10	1	89.6	47	49	61	56	73	86	62	59	62	69	81	77	74	76	77	73	74	76	77	77	73	69	68	68	66	64	59	58	57	56	56	54
					2	90.3	45	54	57	56	76	88	63	59	67	71	80	76	73	65	71	77	74	77	77	73	70	67	67	67	65	61	58	55	54	53	54	54
					3	90.2	47	49	60	53	73	88	64	59	67	68	69	78	74	63	71	77	75	76	77	73	71	69	68	65	62	59	57	55	55	56	57	
					4	89.4	43	46	60	52	71	85	63	57	63	66	80	79	76	68	72	76	79	77	75	74	72	68	68	67	65	61	57	57	56	59	57	
					5	89.6	48	51	60	55	75	87	63	59	65	68	79	74	65	70	75	75	75	75	74	71	68	66	65	63	61	58	54	54	52	53	54	
				11	1	87.5	48	49	53	53	73	86	62	62	72	60	63	64	68	76	67	66	71	72	74	69	69	67	67	63	61	59	55	54	51	52	53	
					2	87.6	50	49	55	56	73	86	62	60	70	57	61	65	68	75	65	66	74	73	76	71	69	70	67	65	62	58	56	55	53	52	52	
					3	86.5	45	47	53	52	73	85	61	60	71	59	65	62	65	75	68	66	72	73	73	67	67	66	64	62	61	56	54	53	52	52	54	
					4	86.5	42	51	54	51	72	84	60	62	72	58	62	60	67	75	67	65	73	72	72	69	68	67	64	63	60	56	54	51	52	49		
					5	86.9	44	48	54	51	70	85	62	62	69	55	58	63	69	77	66	68	74	71	73	69	68	68	65	62	61	59	55	50	51	50		
				12	1	84.3	43	45	49	51	67	82	59	61	69	58	63	60	64	75	67	65	70	68	71	68	67	65	63	60	58	54	49	47	45	47	45	
					2	83.5	45	49	45	52	68	82	59	58	64	57	62	56	64	74	67	66	68	67	69	66	65	63	61	58	55	52	48	44	43	46	46	
					3	83.6	44	52	47	52	68	81	57	59	68	60	64	57	62	74	67	67	66	73	68	67	64	63	62	58	56	51	48	45	43	44	45	
					4	83.8	46	51	50	50	68	81	58	59	69	61	67	57	62	75	67	67	67	72	69	66	64	62	61	58	56	51	47	46	45	46	46	
					5	83.4	43	51	48	49	67	81	58	57	63	57	59	59	64	75	65	63	70	69	69	65	65	62	61	59	55	52	46	48	44	44	45	
				13	1	93.4	50	54	58	58	68	87	69	57	74	72	89	78	68	85	75	83	78	77	75	72	72	69	67	68	67	65	63	60	59	58	57	
					2	93.3	48	52	54	59	68	85	66	56	74	71	88	78	69	85	74	85	81	77	75	71	70	68	67	68	65	65	61	60	58	58	56	
					3	94.0	48	49	62	59	70	84	65	57	72	75	88	81	72	87	76	86	83	79	78	74	72	70	70	69	67	65	60	59	58	62	56	
					4	95.0	49	50	55	56	69	89	70	58	75	72	89	82	72	88	76	85	83	78	78	74	73	70	70	70	68	67	63	60	59	59	58	
					5	93.9	48	47	60	58	66	82	62	58	71	75	89	79	71	87	75	86	83	78	77	74	72	71	69	70	66	64	60	58	59	58	56	
		70		1	1	95.7	48	52	62	63	73	89	71	57	72	74	89	82	73	88	78	87	85	78	79	77	75	71	71	72	67	68	63	62	61	61	59	
					2	95.3	47	48	60	61	72	89	72	58	72	73	90	80	71	88	80	86	82	80	78	75	73	70	72	71	66	68	63	63	62	58	60	
					3	94.3	49	49	58	58	71	89	72	58	71	73	89	81	71	86	74	85	83	77	76	74	73	70	70	69	66	67	63	63	60	60	59	
					4	94.8	48	48	59	58	72	89	72	58	73	73	88	82	71	88	77	84	81	79	78	75	72	70	71	70	67	68	64	63	61	60	58	
					5	95.2	49	49	57	56	72	90	76	60	74	74	89	81	72	88	78	83	82	79	78	75	72	71	71	70	68	65	63	60	60	58		
				2	1	94.9	47	48	61	58	72	88	70	56	68	75	89	81	72	87	76	86	83	78	77	73	70	68	69	68	67	65	63	61	59	64	58	
					2	93.8	46	49	58	58	70	86	69	56	71	71	89	81	71	86	75	84	82	78	76	72	69	67	67	67	65	66	63	60	57	63	57	
3	1	94.5	49	50	61	60	71	86	69	56	70	74	90	78	73	76	85	84	81	77	77	73	71	70	71	70	69	66	61	61	58	63	58					
	2	93.9	48	50	61	60	71	88	67	56	69	74	87	82	71	85	74	85	84	79	78	74	71	69	69	68	65	64	61	58	57	63	58					
	3	94.6	46	48	58	63	73	87	68	58	70	73	89	81	71	88	76	86	82	78	77	74	71	69	69	68	68	67	63	61	59	63	58					
	4	95.0	49	49	56	59	71	89	75	59	74	73	90	82	75	87	77	85	84	80	79	77	76	73	70	72	70	67	69	65	63	60	59					
	5	96.1	49	48	62	60	72	90	71	57	74	76	91	80	74	89	77	85	84	80	78	75	72	72	72	72	68	68	65	63	60	61	60					

TABLE XVIII.- SUMMARY OF ONE-THIRD OCTAVE BAND SOUND PRESSURE LEVELS FOR THE STANDARD OH-6A HELICOPTER (CONFIGURATION D)
AS MEASURED ON TRACK AND Laterally for Various Flight Conditions, Altitudes, and Forward Speeds - Continued

Date	Flight condition	Altitude, meters	Airspeed, knots	Microphone position	Flight	One-third octave band sound pressure levels, dB, for frequencies, Hz, of -																																
						Overall	10	12	16	20	25	32	40	50	63	80	100	125	160	200	250	320	400	500	630	800	1000	1250	1600	2000	2500	3200	4000	5000	6300	8000	10 000	
3-1-71	Level (1094 kg)*	30	70	4	1	93.7	50	54	63	59	77	92	68	65	71	67	79	79	78	72	72	80	76	76	76	77	75	73	70	69	67	66	63	60	61	57	57	56
					2	93.1	53	50	61	58	76	92	69	60	67	68	80	78	77	69	73	78	78	75	76	75	74	73	72	68	67	65	61	59	58	58	56	
					3	93.8	50	50	60	60	75	92	71	59	59	69	82	82	76	67	76	79	78	76	77	75	73	72	69	69	65	65	62	59	57	57	56	
					4	93.3	52	53	61	61	76	92	69	62	64	67	81	80	77	68	75	78	78	75	76	75	73	72	69	69	65	64	61	58	57	57	56	
					5	93.1	50	54	61	63	77	92	69	62	69	66	78	77	78	69	74	79	75	75	77	74	71	71	69	68	66	63	60	60	58	58	57	
				5	1	89.4	44	48	54	51	69	88	68	62	65	59	63	62	68	75	72	71	75	75	73	73	70	67	66	64	61	57	56	54	52	52		
					2	89.8	45	45	53	51	71	89	67	62	70	58	60	67	68	74	70	66	75	72	72	71	71	69	68	65	63	61	56	55	53	53	51	
					3	89.3	48	47	53	53	71	88	67	59	67	57	58	69	68	75	70	68	76	71	75	70	69	68	66	64	60	56	54	51	53	51		
					4	89.6	47	50	54	54	71	89	66	62	70	59	60	68	68	73	70	67	75	71	75	70	69	69	68	65	61	61	55	54	52	53	50	
					5	89.0	45	48	51	53	70	88	67	62	67	59	65	61	69	75	72	68	74	73	72	72	71	70	68	65	63	60	57	54	52	54	51	
				6	1	86.2	44	48	53	50	66	85	64	61	67	60	70	66	54	61	65	72	72	65	71	70	69	67	67	65	62	59	56	53	49	45	45	44
					2	86.1	45	46	46	49	66	85	65	60	65	59	71	64	55	66	67	74	69	68	73	68	67	67	65	64	63	59	55	51	45	45	45	
					3	86.3	47	50	50	50	65	85	66	60	66	60	70	62	54	67	74	69	69	72	68	67	65	66	63	62	57	53	51	44	45	45		
					4	85.9	44	49	53	52	66	84	65	60	65	63	71	62	54	69	67	74	69	68	72	66	68	66	66	63	61	58	53	50	46	44	45	
					5	86.2	42	45	43	49	65	85	64	61	66	61	71	63	56	64	67	75	72	68	74	73	72	71	70	68	65	62	59	53	51	46	43	43
				7	1	94.5	48	51	61	59	73	87	69	59	72	73	89	80	71	87	75	85	83	78	79	76	71	68	69	70	68	67	63	61	60	60	60	
					2	93.7	49	50	51	59	70	87	73	59	73	71	89	81	73	86	78	83	80	76	77	74	69	69	69	68	66	68	66	62	59	58	56	
					3	93.5	51	51	55	59	69	87	71	56	73	72	88	80	70	85	77	84	79	77	75	73	69	68	68	67	64	63	59	56	55	55		
					4	93.8	50	53	51	55	70	88	73	57	72	70	88	80	74	86	77	85	79	76	77	72	69	66	66	66	67	64	63	59	57	55		
					5	94.2	49	53	59	61	71	88	71	56	74	72	89	82	71	87	76	85	81	79	77	75	70	67	70	69	68	68	65	62	60	61	59	
				8	1	94.2	48	52	61	60	72	88	69	56	71	73	88	79	71	88	76	85	81	80	76	74	72	69	70	68	66	64	63	60	58	57	54	
					2	93.3	47	47	57	57	69	86	68	56	70	71	88	79	70	86	76	84	80	77	76	74	71	69	68	68	67	65	63	60	58	55	55	
					3	92.2	47	50	47	56	66	85	69	55	70	68	87	80	71	86	74	81	79	75	75	73	69	65	65	65	64	64	59	60	58	55	55	
					4	92.7	50	50	59	57	69	86	66	54	67	74	87	79	69	86	74	83	81	78	76	72	70	68	69	67	66	65	62	59	56	57	53	
					5	93.5	48	49	52	55	70	88	74	59	74	70	89	82	75	85	77	82	80	75	75	74	69	67	68	67	67	64	61	59	57	54		
				9	1	93.3	46	45	51	52	64	81	65	54	72	71	88	80	72	87	77	86	82	79	76	71	70	69	68	68	67	65	64	60	58	57	57	
					2	92.7	47	44	47	50	60	79	63	52	69	69	87	78	70	87	75	86	82	77	76	74	70	67	68	68	66	64	61	60	57	56	58	
					3	91.5	47	44	48	52	63	80	64	51	69	70	85	77	69	86	76	85	81	78	74	71	69	68	66	67	66	66	61	59	55	57	57	
					4	91.7	42	41	49	48	60	79	61	52	66	69	86	76	68	85	74	84	83	77	74	71	70	68	67	67	66	66	60	58	55	53	54	
					5	92.7	42	41	47	50	63	77	58	52	67	74	87	78	73	86	75	85	83	79	77	75	70	68	67	68	65	62	59	59	55	56	57	
				10	1	89.7	45	52	60	56	73	85	62	61	67	66	82	79	72	68	72	76	77	79	78	75	72	71	68	67	64	61	58	58	56	56	54	
					2	89.4	46	51	61	58	73	85	62	60	67	68	80	79	74	67	72	75	76	77	77	74	73	69	67	65	64	61	57	56	53	53		
					3	88.7	46	47	58	59	75	84	61	61	70	69	80	77	75	68	73	77	75	77	76	73	69	66	66	65	62	60	57	54	52	52	53	
					4	89.1	46	50	58	58	73	85	61	60	68	66	79	81	75	66	72	77	77	76	76	72	71	68	67	65	64	61	57	56	54	55	55	
					5	88.9	44	48	63	55	69	83	62	60	65	68	81	76	75	66	72	76	79	78	79	76	72	71	70	68	66	63	59	60	56	55	56	
				11	1	86.2	46	48	53	55	74	83	60	63	71	63	67	58	65	75	69	72	67	76	72	70	69	69	66	62	59	57	55	54	51	49	50	
					2	86.1	47	50	55	53	71	84	61	63	71	60	65	60	67	77	68	67	71	73	72	70	68	67	66	63	62	58	55	55	51	52	50	
					3	86.3	42	44	53	56	73	84	60	63	73	60	64	61	67	77	68	67	71	72	74	69	68	66	65	62	60	58	55	55	50	50	51	
					4	85.9	46	46	52	53	73	83	59	63	72	61	65	61	67	74	70	68	72	74	75	69	68	68	65	64	60	56	54	56	51	50	49	
					5	86.2	46	52	55	54	71	83	62	62	71	59	65	61	67	77	70	68	73	74	73	71	71	68	67	63	62	60	55	55	52	53	50	
				12	1	83.4	44	47	52	53	69	80	58	61	70	62	67	59	61	75	69	71	65	72	70	68	66	63	60	58	55	53	49	46	44	44	45	
					2	83.1	47	48	49	50	69	79	57	62	70	62	66	55	63	76	69	68	66	72	6													
3	83.8	47	47		50	50	68	80	59	62	71	57	65	58	67	77	68	67	71	72	70	66	66	64	63	59	56	52	49	48	44	45	45					
4	83.3	47	53		46	50	66	79	59	61	70	59	65	60	64	75	69	69	71	73	70	68	66	64	64	62	58	55	51	49	45	46	45					
5	83.8	46	48		50	49	69	80	56	62	71	62	69	58	62	74	69	70	67	73	70	68	65	66	63	60	59	54	50	48	45	45	46					
13	1	94.4	49	47	59	59	71	87	70	55	70	73	89	82	71	88	75	85	82	78	76	74	73	70	69	68	68	67	63	62	60	61	57					
	2	93.8	49	50	62	60	71	85	65	56	69	75	88	77	69	87	76	86	83	79	77	75	72	68	68	68	65	62	60	59	60	57						
	3	93.9	48	49	54	57	70	88	72	55	72	71	88	80	72	86	75	85	81	77	77	73	72	70	69	69	67	63	62	59	59	57						
	4	93.8	49	49	56	59	70	88	72	58	73	72	88	81	70	86	75	83	81	77	76	72	72	69	69	69	67	67	64	61	61	59	56					
	5	94.3	48	51	57	57	70	88	72	58	73	71	88	80	72	87	75	86	81	78	77	74	72	70	69	70	69	67	64	62	61	61	57					

TABLE XVIII. - SUMMARY OF ONE-THIRD OCTAVE BAND SOUND PRESSURE LEVELS FOR THE STANDARD OH-6A HELICOPTER (CONFIGURATION D)
AS MEASURED ON TRACK AND Laterally FOR VARIOUS FLIGHT CONDITIONS, ALTITUDES, AND FORWARD SPEEDS - Continued

Date	Flight condition	Altitude, meters	Airspeed, knots	Microphone position	Flight	One-third octave band sound pressure levels, dB, for frequencies, Hz, of -																															
						Overall	10	12	16	20	25	32	40	50	63	80	100	125	160	200	250	320	400	500	630	800	1000	1250	1600	2000	2500	3200	4000	5000	6300	8000	10000
3-1-71	Level (1094 kg)*	30	120	1	1	95.9	49	48	64	64	70	90	82	66	74	72	88	86	75	86	83	84	83	80	80	78	76	75	73	72	67	68	63	62	62	60	58
					2	95.5	49	48	64	64	70	90	82	66	74	72	88	86	75	86	83	84	83	80	79	77	77	74	72	71	67	67	65	61	62	61	58
					3	94.3	51	54	66	60	71	89	73	58	75	74	88	80	72	86	78	83	82	80	79	76	72	72	72	68	67	67	63	61	59	61	59
					4	93.9	49	50	60	60	70	88	81	66	73	70	87	84	75	84	83	82	80	78	77	76	73	73	71	68	65	64	62	60	59	59	57
					5	93.9	49	51	62	59	68	88	77	60	73	70	87	83	73	86	80	83	81	79	78	75	74	70	71	70	66	65	64	62	60	57	59
				2	1	93.2	47	50	57	61	63	85	81	67	70	69	85	85	77	83	83	84	82	78	78	75	73	70	69	68	64	65	62	60	57	63	57
					2	94.4	48	49	65	58	70	88	74	61	73	73	87	81	73	86	78	86	82	80	79	76	73	69	69	68	69	65	63	62	60	62	58
					3	93.9	49	49	65	60	67	88	74	60	73	72	88	82	73	85	77	84	81	77	79	75	73	70	69	68	67	67	63	61	62	57	
					4	93.1	48	51	66	61	70	87	66	59	70	72	84	80	74	84	76	86	83	77	78	74	72	69	69	67	64	62	60	58	57	63	58
					5	93.5	47	47	60	59	68	87	75	59	73	71	86	82	73	85	80	85	81	79	77	76	73	68	69	68	65	66	61	59	57	63	57
				3	1	95.1	49	50	68	65	72	90	76	61	74	73	87	85	73	86	79	85	82	82	80	77	76	72	72	71	67	67	63	61	60	60	58
					2	95.4	50	51	65	61	69	89	78	60	74	72	88	85	73	87	80	85	85	80	80	78	74	72	71	69	66	67	63	61	60	60	58
					3	94.1	59	51	57	59	65	85	82	68	70	70	87	86	77	84	83	83	82	78	77	75	75	72	69	65	64	63	60	59	58	58	58
					4	93.8	50	51	54	59	65	86	81	67	70	69	88	86	75	83	82	82	80	78	76	73	73	70	68	66	64	62	62	59	58	58	59
					5	93.6	49	49	55	60	68	86	80	65	72	69	87	86	76	84	82	83	81	78	77	73	72	71	69	66	65	62	59	58	56	58	59
				4	1	94.4	52	54	68	63	78	92	71	63	62	69	83	83	78	72	80	81	82	79	78	79	76	75	71	70	69	67	65	63	61	58	57
					2	94.6	49	56	69	64	79	92	70	65	60	71	84	80	77	73	81	80	82	79	79	78	75	74	72	70	69	68	64	63	61	60	58
					3	94.8	50	54	68	61	76	92	72	65	59	71	83	82	77	73	80	80	82	80	78	78	76	77	74	70	70	67	64	62	58	60	56
					4	93.7	49	52	60	59	72	90	76	66	60	69	86	81	78	75	78	78	82	78	78	77	75	74	70	70	68	65	62	60	59	55	
					5	92.7	44	53	63	61	78	90	68	57	60	70	81	81	78	72	78	78	79	78	76	77	74	72	71	67	68	66	63	58	56	55	
				5	1	93.4	48	49	63	55	73	92	72	68	75	61	70	77	78	80	76	78	80	79	77	76	74	73	69	67	62	58	57	55	53	52	
					2	92.8	48	53	61	58	69	91	76	70	75	63	69	74	76	80	75	79	80	76	78	76	75	73	70	66	64	61	58	55	53	50	
					3	92.8	43	47	63	60	73	91	71	70	76	61	68	76	76	79	76	80	80	78	78	77	76	75	72	69	67	63	60	56	54	51	51
					4	92.4	44	49	59	58	69	90	75	69	72	61	72	76	78	81	72	80	79	77	75	77	75	72	72	69	66	64	60	58	53	51	50
					5	91.7	47	51	59	57	73	89	68	67	73	57	74	76	76	78	71	81	78	79	76	75	73	72	71	68	65	63	59	56	54	52	49
				6	1	90.7	47	47	55	53	69	88	71	68	78	65	74	63	66	78	78	78	70	79	74	73	73	71	70	68	65	63	59	54	49	46	47
					2	90.4	43	45	57	58	71	88	69	69	76	65	74	60	63	77	77	79	70	75	73	73	72	71	71	67	64	61	56	52	48	47	50
					3	90.7	45	47	58	58	69	89	70	68	78	66	73	60	65	77	78	78	70	77	73	74	73	71	68	67	65	63	58	54	49	47	48
					4	90.3	46	50	56	56	67	88	72	68	75	65	72	62	67	80	76	79	70	78	72	72	71	70	70	66	66	61	58	54	49	46	49
					5	89.8	44	49	55	56	70	87	68	66	77	63	69	61	68	80	77	74	74	77	73	73	72	70	69	66	63	62	57	53	50	47	48
				7	1	94.2	50	47	59	61	66	86	80	66	73	72	87	85	74	85	83	84	81	81	79	75	74	73	73	71	69	69	65	63	60	57	57
					2	94.0	50	51	64	58	62	88	70	59	74	75	87	80	72	86	76	84	83	79	79	77	75	71	70	71	68	67	64	63	60	58	59
					3	93.4	50	53	66	58	68	87	68	59	75	73	87	80	71	84	77	85	81	78	78	77	73	69	70	67	66	66	63	60	59	58	58
					4	94.1	50	54	61	58	67	87	76	63	75	74	88	84	73	85	79	84	81	79	79	77	73	70	68	67	66	64	64	61	59	58	57
					5	92.8	49	49	55	57	66	85	79	62	73	69	86	83	72	84	82	83	79	78	76	74	72	70	69	67	66	63	61	59	57	57	56
				8	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
					2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
					3	92.3	48	46	55	57	64	83	80	66	69	67	86	85	76	83	82	81	79	76	75	72	70	66	66	64	61	60	61	58	55	56	57
					4	92.0	47	46	64	57	68	86	69	56	69	72	86	80	70	84	74	82	81	76	77	75	71	68	68	65	62	59	58	56	56	55	
					5	91.7	47	48	57	57	66	85	75	62	71	67	85	80	72	84	78	82	78	78	76	74	72	68	68	66	64	62	60	57	55	54	57
				9	1	92.0	41	42	53	51	62	81	65	55	71	71	85	80	72	85	76	84	83	78	78	74	71	69	68	68	67	65	63	60	55	56	55
					2	93.3	42	40	49	51	62	81	69	56	71	72	87	83	74	85	80	85	84	80	78	76	75	72	69	70	64	63	60	55	56	56	
					3	92.7	42	40	45	45	54	79	76	63	67	67	86	86	75	83	83	83	81	79	77	73	71	68	66	65	63	64	60	55	54	54	
4	92.8	41	40		50	50	60	80	71	56	71	70	86	81	72	86	80	85	82	80	78	75	73	70	69	68	66	64	61	59	54	54					
5	92.2	43	41		49	48	59	81	69	57	69	68	86	82	73	85	79	83	81	79	75	73	71	68	66	66	63	62	61	58	54	53	55				
10	1	91.8	50	52	65	57	73	84	66	65	64	70	85	82	77	74	78	77	79	80	81	80	78	73	72	71	68	64	61	60	56	53	54				
	2	92.4	48	49	65	59	69	84	67	66	59	67	86	81	79	74	79	77	83	80	80	81	78	75	74	73	72	68	63	61	59	56	56				
	3	91.4	46	51	67	60	71	84	64	61	61	71	85	81	74	76	77	78	82	79	78	76	74	73	71	70	66	63	61	57	55	56					
	4	91.4	45	48	65	60	68	83	64	61	62	69	86	80	76	78	76	79	80	77	78	78	77	74	72	71	69	66	61	61	56	56					
	5	91.0	47	46	62	58	69	82	64	58	59	69	84	81	74	76	76	80	80	80	80	78	78	74	73	71	69	66	63	61	57	55	55				

TABLE XVIII.- SUMMARY OF ONE-THIRD OCTAVE BAND SOUND PRESSURE LEVELS FOR THE STANDARD OH-6A HELICOPTER (CONFIGURATION D)
AS MEASURED ON TRACK AND Laterally for Various Flight Conditions, Altitudes, and Forward Speeds - Continued

Date	Flight condition	Altitude, meters	Airspeed, knots	Microphone position	Flight	One-third octave band sound pressure levels, dB, for frequencies, Hz, of -																																
						Overall	10	12	16	20	25	32	40	50	63	80	100	125	160	200	250	320	400	500	630	800	1000	1250	1600	2000	2500	3200	4000	5000	6300	8000	10000	
3-1-71	Level (1094 kg)*	30	120	11	1	89.6	47	45	60	56	68	82	63	66	68	61	72	78	77	81	72	75	79	82	77	77	77	75	73	71	67	64	62	59	55	53	51	
					2	90.3	45	46	58	56	63	82	70	66	73	66	64	73	77	77	74	76	83	80	81	78	77	78	74	72	70	66	62	60	57	55	54	52
					3	89.8	46	52	59	57	83	65	65	69	56	71	78	78	77	70	78	79	81	79	78	76	77	73	72	72	71	69	64	63	58	55	54	54
					4	88.5	45	50	58	58	64	81	69	68	70	62	72	75	78	73	69	76	79	78	78	77	76	76	72	71	69	64	63	58	55	54	54	
					5	89.0	46	47	58	56	64	82	69	64	68	59	73	77	77	74	68	79	78	80	78	77	76	75	72	70	66	65	62	58	56	54	53	
				12	1	87.4	43	48	53	52	60	81	67	67	69	65	64	74	76	76	74	79	76	77	74	75	73	69	67	66	61	59	54	49	47	46		
					2	87.6	47	45	57	54	62	81	65	66	71	65	63	71	75	77	74	80	76	75	73	75	74	69	68	66	63	58	54	48	47	46		
					3	87.5	48	54	56	57	65	81	64	65	69	60	67	76	76	77	72	75	78	75	74	70	66	65	62	57	54	50	45	47	46			
					4	86.9	42	45	58	56	62	80	66	67	68	61	69	75	77	74	68	74	77	76	74	74	75	73	70	68	66	61	58	53	49	45	46	
					5	81.4	40	44	50	50	60	76	64	63	62	55	62	69	71	69	63	67	71	69	69	67	68	65	63	59	55	52	48	45	43	47		
				13	1	94.2	50	49	55	59	66	85	82	67	73	71	87	87	77	84	84	83	80	79	78	75	75	72	71	70	69	65	63	59	58	57	57	
					2	95.1	50	52	66	61	69	89	77	60	74	74	88	82	73	87	80	86	84	80	79	76	73	72	70	70	67	66	63	62	60	60	57	
					3	93.5	50	49	58	61	67	86	83	66	73	71	85	85	76	84	83	84	79	78	77	75	74	72	68	67	64	64	63	59	57	57	56	
					4	94.0	50	49	63	61	71	88	73	59	75	73	87	79	71	86	78	86	83	79	77	76	74	71	69	65	65	64	62	61	59	58	57	
					5	93.1	48	48	60	59	66	86	77	61	73	68	86	83	71	85	81	83	81	77	77	73	74	71	68	68	67	64	62	60	58	58	57	
	Hover (701 kg)*	1.8	0	1	1	84.3	49	50	53	54	55	67	52	50	59	54	69	60	56	66	54	59	55	54	56	58	59	56	55	53	50	50	45	41	38	38	40	
3-10-71	Level (729 kg)*	30	70	1	1	92.8	50	55	52	57	69	87	69	55	68	70	87	76	68	86	72	84	78	77	74	70	69	66	66	65	64	62	59	58	59	56		
					2	93.1	49	52	51	54	67	85	68	58	70	73	87	80	70	86	74	85	80	78	77	73	71	69	68	66	65	62	59	60	58	58		
					3	93.6	52	62	60	60	68	87	68	56	69	72	88	78	69	87	73	84	80	78	76	71	70	67	67	67	66	62	61	57	59	60	58	
					4	93.3	48	47	54	58	68	86	68	59	69	72	88	79	71	87	75	84	80	77	76	73	68	67	69	66	66	63	61	59	59	60	58	
					5	93.8	59	64	67	63	70	87	68	58	63	75	88	78	71	86	76	86	81	79	76	72	70	69	69	67	67	62	60	57	59	61	59	
				2	1	94.0	52	51	59	58	70	87	67	55	70	73	89	79	70	87	74	84	80	78	76	73	71	68	68	68	67	68	61	59	57	55	55	
					2	94.8	53	55	59	62	72	89	70	58	71	74	89	77	70	87	76	86	83	80	76	74	70	69	69	68	68	69	62	59	58	56	55	
					3	93.8	66	59	67	72	74	89	74	61	71	71	88	80	71	85	74	82	80	76	75	73	68	69	68	68	68	63	61	58	56	54		
					4	93.9	51	48	59	59	70	86	66	56	66	72	88	80	70	87	75	85	82	80	78	73	70	70	69	68	65	66	61	60	56	57	56	
					5	94.5	53	52	56	62	71	88	69	61	69	73	88	77	71	87	76	86	83	80	78	74	72	69	70	69	67	67	62	61	58	57	55	
				3	1	93.7	57	62	59	64	70	86	66	56	66	72	89	78	70	87	75	84	82	78	77	72	71	70	71	68	65	66	62	59	58	57	58	
					2	94.1	62	67	68	70	74	88	72	60	69	73	89	79	70	87	74	84	80	77	77	74	71	69	68	66	65	61	60	57	58	58		
					3	94.4	58	56	61	67	71	87	67	57	68	73	88	81	71	88	76	86	83	80	77	73	70	68	68	67	65	64	59	59	58	57	59	
					4	93.2	49	51	58	59	70	86	67	53	65	72	87	76	70	87	77	85	82	79	77	72	71	67	68	65	63	63	58	58	58	58		
					5	94.4	48	49	54	60	73	89	69	63	70	75	88	80	70	87	76	85	80	78	76	72	71	69	69	68	67	61	61	59	57	57	58	
				4	1	90.6	56	54	61	60	73	88	67	59	58	68	83	77	73	66	72	74	77	75	74	71	70	70	69	67	63	61	58	58	57	56	55	
					2	90.6	58	51	51	59	70	87	69	60	56	63	82	78	73	67	74	79	75	75	75	73	71	70	67	67	65	62	58	57	56	54		
					3	91.2	49	46	58	56	74	89	69	60	62	66	81	76	76	65	72	77	75	74	76	74	72	72	69	66	65	62	60	57	57	56	54	
					4	91.1	55	58	62	63	71	89	68	62	58	64	82	76	73	65	74	78	75	76	76	74	73	70	67	67	63	60	58	58	56	54		
					5	91.2	57	51	58	62	74	89	68	62	65	80	76	75	67	75	77	75	75	75	73	72	73	70	68	64	63	60	58	58	57	57	54	
				5	1	87.5	48	54	61	58	68	86	66	61	61	68	58	60	67	69	74	67	69	75	71	74	70	69	70	68	65	63	59	55	53	51	52	50
					2	87.0	46	46	48	56	69	85	64	61	61	69	57	61	64	65	73	69	67	76	70	72	71	69	69	68	64	63	60	56	53	49	51	48
					3	87.7	54	54	57	61	66	85	68	64	70	58	63	64	68	74	72	69	76	74	74	72	71	70	69	68	66	60	57	55	52	52	48	
					4	87.5	56	58	62	62	68	86	66	64	67	60	64	62	65	73	70	70	72	73	74	73	72	70	68	67	64	61	58	54	53	51	47	
					5	87.5	45	49	53	56	69	86	65	64	64	69	59	64	61	67	75	70	67	73	74	73	72	72	69	68	67	63	60	57	55	51	53	51
				6	1	84.2	52	61	60	58	66	82	62	62	71	62	68	57	55	67	66	71	65	68	70	67	65	65	62	60	57	56	51	46	43	42	45	
2	83.5	44	45		46	53	62	80	62	62	70	61	72	63	57	68	66	74	68	64	70	67	68	66	65	62	60	57	53	48	44	40	42					
3	84.5	41	45		51	49	63	83	64	61	71	62	70	60	56	68	66	72	71	63	70	67	68	64	64	61	57	54	49	44	42	41	42					
4	84.2	55	53		54	53	63	81	63	63	72	62	72	62	59	68	68	75	69	65	71	69	70	67	65	62	60	57	54	49	43	43	42					
5	83.6	47	53		54	58	65	82	62	63	69	62	68	62	56	66	65	71	68	63	70	68	68	63	64	61	60	56	52	49	44	42	40					

TABLE XVIII. - SUMMARY OF ONE-THIRD OCTAVE BAND SOUND PRESSURE LEVELS FOR THE STANDARD OH-6A HELICOPTER (CONFIGURATION D)
AS MEASURED ON TRACK AND Laterally for various flight conditions, altitudes, and forward speeds - Continued

Date	Flight condition	Altitude, meters	Airspeed, knots	Microphone position	Flight	One-third octave band sound pressure levels, dB, for frequencies, Hz, of -																																
						Overall	10	12	16	20	25	32	40	50	63	80	100	125	160	200	250	320	400	500	630	800	1000	1250	1600	2000	2500	3200	4000	5000	6300	8000	10000	
3-12-71	Level (661 kg)*	30	60	4	1	86.6	49	50	49	52	61	81	68	63	72	59	70	71	72	81	72	74	74	69	70	71	69	70	68	65	65	65	62	59	57	55	55	
					2	87.5	48	49	49	51	63	81	66	61	72	60	68	69	69	84	73	73	74	75	70	72	72	70	70	67	68	66	65	63	59	59	57	54
					3	86.8	42	45	59	54	67	77	65	60	57	64	78	78	74	67	71	74	77	76	76	75	73	73	70	68	66	65	63	62	60	59	55	55
					4	87.0	53	51	50	54	59	82	70	64	73	63	65	68	66	82	74	68	74	71	70	71	70	70	67	67	64	61	58	56	56	52	52	
					5	86.9	46	50	54	53	59	83	71	61	74	65	66	62	63	81	73	71	76	72	70	68	67	66	65	65	63	61	60	58	56	51	52	
				5	1	83.0	48	50	55	47	52	78	69	59	73	65	72	67	54	61	57	74	74	70	62	65	61	62	59	56	58	55	50	49	47	53	51	
					2	83.3	54	53	55	53	69	79	60	61	68	63	68	60	56	68	69	74	65	71	75	69	69	68	65	63	61	58	55	53	51	52	48	47
					3	83.7	55	58	55	53	57	78	67	60	73	63	72	67	57	66	62	75	74	69	65	70	69	70	66	64	63	62	58	52	50	48	47	
					4	83.1	44	50	49	52	56	78	67	62	73	64	74	68	56	65	60	74	69	64	64	69	68	68	66	65	64	59	56	53	49	49	45	
					5	83.4	51	48	53	54	57	77	67	58	73	62	74	66	56	65	60	77	74	70	64	66	64	64	63	62	60	56	53	51	47	48	45	
				6	1	80.4	45	48	53	46	50	75	65	56	70	63	73	67	58	63	57	68	66	66	64	63	64	65	60	59	57	55	51	48	45	45	47	
					2	80.1	48	49	49	53	55	73	62	59	71	60	72	66	58	55	63	69	70	68	66	65	66	63	64	61	61	58	56	52	46	44	44	
					3	81.4	45	42	45	51	52	75	65	55	70	62	74	69	58	60	56	69	71	71	69	64	61	63	59	56	55	52	51	46	40	35	37	
					4	79.9	37	50	48	46	51	75	64	60	70	63	73	66	57	60	56	69	68	65	62	61	63	61	58	58	53	49	43	41	36	39		
					5	79.3	65	63	65	58	56	72	59	62	69	59	69	61	53	51	58	72	69	65	61	65	63	65	60	59	57	56	53	49	43	41	36	
				7	1	93.4	46	47	58	55	67	87	71	59	66	69	88	81	71	85	73	84	78	76	74	71	69	68	68	69	68	66	65	60	58	56	56	
					2	94.1	49	53	63	58	68	84	62	56	66	73	90	79	69	87	75	86	81	79	78	75	71	70	71	70	68	64	61	59	61	59	61	
					3	92.4	63	65	64	63	87	84	65	57	65	71	86	77	68	86	73	84	81	77	74	72	70	67	68	70	66	66	63	60	58	58	58	
					4	93.2	51	50	58	59	69	86	69	60	67	69	87	80	69	86	75	84	80	76	75	72	71	69	70	71	70	68	66	63	61	60	58	
					5	93.4	63	65	63	59	67	87	69	57	66	69	88	79	73	86	73	84	79	76	74	73	71	70	69	69	70	68	64	63	60	59	57	
				8	1	90.0	49	49	49	55	65	83	67	53	62	67	84	78	66	84	71	81	76	75	73	70	66	66	66	66	66	63	60	58	57	56	53	
					2	89.9	41	41	45	52	61	80	60	50	60	70	84	75	66	84	72	82	78	76	73	70	67	66	66	66	65	63	61	58	55	57	56	51
					3	89.3	44	42	46	49	62	83	68	51	61	66	84	75	69	82	72	78	75	73	71	69	67	64	66	66	63	64	59	57	55	52	50	
					4	90.7	41	42	53	50	65	84	69	55	62	69	84	78	69	84	72	82	77	73	72	70	68	66	66	67	66	64	59	59	56	55	49	
					5	88.9	46	41	50	48	61	82	64	53	61	65	83	75	66	82	70	80	76	72	71	68	67	64	66	64	65	62	60	57	56	52	48	
				9	1	92.9	45	47	55	55	61	80	61	53	65	72	88	78	70	87	77	85	81	78	74	73	70	70	71	69	68	66	63	59	58	61	58	
					2	92.5	45	43	48	52	61	76	56	50	61	72	87	80	70	86	75	86	82	77	76	73	69	69	70	69	68	63	62	60	59	58	60	
					3	91.3	45	43	45	52	61	79	62	52	62	69	85	77	69	86	75	84	80	76	74	71	68	66	66	66	65	64	62	59	57	55	56	
					4	92.3	45	44	45	51	60	77	58	54	64	72	87	77	69	86	76	85	82	79	77	73	70	67	70	68	65	62	61	58	58	58	58	
					5	91.2	45	43	47	49	60	79	60	50	62	71	86	77	68	85	74	83	81	74	74	71	69	68	69	66	66	67	62	59	56	55	58	
				10	1	90.5	47	52	56	54	72	89	67	58	63	64	79	77	74	66	73	75	76	76	75	73	71	70	70	69	65	62	59	58	57	58	56	
					2	91.2	60	64	60	60	73	89	68	61	66	61	77	77	74	73	71	79	75	75	77	75	73	71	70	68	64	63	61	58	56	57	56	
					3	90.5	54	50	51	56	68	87	69	61	57	64	82	77	73	68	75	80	78	77	75	73	74	71	69	68	64	61	60	57	57	56	54	
					4	90.8	57	55	58	56	71	88	69	61	60	68	81	79	75	64	73	78	75	73	75	73	72	70	69	66	63	60	59	56	57	56	55	
					5	90.7	54	55	60	59	72	89	69	62	63	64	78	77	72	66	72	77	77	76	77	75	72	71	68	69	65	63	60	61	56	56	55	
				11	1	87.3	41	48	50	52	67	86	65	62	71	56	57	66	68	75	69	65	75	72	72	70	69	69	68	67	65	62	58	57	55	55	53	
					2	86.6	40	47	54	57	69	85	64	62	71	59	62	58	66	71	71	71	71	73	72	72	69	66	66	65	62	60	57	55	53	54	53	
					3	87.5	57	51	55	57	69	85	66	64	72	60	57	66	68	75	70	68	76	72	73	70	70	68	66	65	62	59	58	54	55	48		
					4	87.0	49	49	54	59	66	85	67	65	67	64	65	65	67	75	69	66	74	73	72	72	71	69	68	67	64	63	60	57	54	56	52	
					5	87.4	47	50	54	56	67	86	66	63	70	61	59	66	65	76	71	65	74	72	73	72	70	68	67	66	63	61	60	59	54	54	52	
				12	1	83.0	51	56	59	59	63	81	60	58	70	58	68	61	51	62	64	71	69	63	69	65	67	63	63	61	60	56	53	51	47	46	49	
2	82.8	55	54		51	53	60	80	60	58	66	58	70	66	57	56	59	73	73	67	67	70	66	67	66	64	61	61	59	56	53	50	45	45				
3	83.0	48	49		53	54	65	80	64	59	71	60	66	60	50	64	67	73	70	66	71	66	64	61	61	59	56	54	51	49	45	45	45					
4	83.3	49	49		56	55	63	81	62	62	67	62	71	64	55	62	64	71	72	63	70	67	68	65	64	61	61	57	53	51	47	46	45					
5	82.5	45	52		48	54	61	80	60	60	69	59	69	65	52	62	65	71	70	64	70	66	66	64	63	62	59	56	52	51	44	47	45					
13	1	93.7	46	48	54	57	67	87	71	57	71	72	88	79	69	86	75	86	80	75	74	73	71	69	69	69	68	65	62	60	58	60	57					
	2	95.0	46	49	61	56	69	88	68	57	69	71	89	81	71	88	77	87	83	79	78	73	72	71	70	72	68	66	62	60	59	62	56					
	3	94.0	52	52	55	57	69	89	73	59	67	70	88	79	71	86	74	84	79	76	74	72	72	71	69	71	70	66	65	60	58	59	55					
	4	93.6	52	54	58	61	68	89	73	57	68	69	87	80	71	86	74	82	79	76	75	72	69	69	68	68	70	66	65	62	59	58	56					
	5	93.7	54	53	59	61	68	87	69	57	70	72	88	80	70	87	75	83	79	76	76	73	73	70	69	71	69	68	64	62	59	59	57					

TABLE XVIII. - SUMMARY OF ONE-THIRD OCTAVE BAND SOUND PRESSURE LEVELS FOR THE STANDARD OH-6A HELICOPTER (CONFIGURATION D)
AS MEASURED ON TRACK AND Laterally for Various Flight Conditions, Altitudes, and Forward SpeedS - Continued

Date	Flight condition	Altitude, meters	Airspeed, knots	Microphone position	Flight	One-third octave band sound pressure levels, dB, for frequencies, Hz, of -																																																																																											
						Overall	10	12	16	20	25	32	40	50	63	80	100	125	160	200	250	320	400	500	630	800	1000	1250	1600	2000	2500	3200	4000	5000	6300	8000	10000																																																												
3-12-71	Level (912 kg)*	30	70	1	1	93.1	46	49	57	59	67	88	76	61	68	71	87	81	74	84	76	81	80	77	76	72	69	70	68	67	67	68	64	61	61	59	56																																																												
					2	94.5	54	52	57	61	69	86	67	58	70	74	89	81	70	88	75	86	83	79	76	75	71	70	70	68	69	67	62	60	61	61	59	56																																																											
					3	94.5	50	51	60	57	69	86	67	57	70	75	90	79	71	87	75	85	82	80	78	74	71	71	71	68	67	65	63	61	61	62	62	62																																																											
					3-12-71	Level (912 kg)*	30	70	2	1	93.8	57	58	67	66	68	87	71	60	69	70	88	81	72	87	76	84	80	76	76	74	73	70	69	67	67	67	64	63	60	57	56																																																							
										2	95.0	51	53	60	64	72	88	65	57	67	76	90	81	72	87	76	86	84	81	78	75	72	71	71	67	66	63	60	59	56	56	56																																																							
										3	95.9	46	51	65	61	71	89	70	71	74	75	90	82	75	88	77	87	83	81	80	77	75	73	73	71	70	67	67	63	63	59	60	57	57																																																					
										3-12-71	Level (912 kg)*	30	70	3	1	95.0	54	67	65	68	71	88	70	59	71	78	89	80	73	87	76	86	81	80	80	79	73	71	70	71	69	65	64	60	58	60	59																																																		
															2	95.1	45	50	58	58	70	88	68	58	70	76	89	82	71	87	76	86	83	79	80	77	72	70	69	66	64	64	60	59	59	59	59																																																		
															3	96.0	49	53	65	65	72	90	72	72	74	75	90	83	72	89	78	87	83	80	79	78	74	72	71	71	67	67	64	63	59	59	58																																																		
															3-12-71	Level (912 kg)*	30	70	4	1	88.0	47	50	51	49	56	81	72	62	74	66	64	67	67	82	79	72	78	76	73	70	69	68	64	67	66	64	62	56	57	54	54																																													
																				2	89.1	52	55	60	61	77	85	65	65	70	64	74	77	74	68	79	73	77	77	73	70	70	69	67	66	63	60	60	58	59	55	55																																													
																				3	89.0	52	57	62	61	72	81	66	65	73	67	80	78	75	77	70	79	75	78	78	77	75	74	71	69	67	66	63	61	60	60	56																																													
																				3-12-71	Level (912 kg)*	30	70	5	1	84.3	45	44	55	49	60	72	60	63	65	59	61	63	67	76	72	66	76	76	72	72	72	70	69	66	63	59	57	55	57	52																																									
																									2	84.3	57	63	60	64	73	80	63	64	68	64	71	65	56	65	70	74	68	70	73	68	69	67	65	64	60	57	53	52	49	50	47																																								
																									3	85.0	40	43	56	52	68	79	59	66	71	61	67	58	60	72	72	75	69	78	73	73	72	70	66	66	63	59	56	55	51	52	47																																								
																									3-12-71	Level (912 kg)*	30	70	6	1	81.1	43	43	45	42	49	75	67	57	72	66	73	69	60	61	59	67	69	70	68	64	63	63	61	60	59	56	52	47	44	43	48																																			
																														2	81.1	66	64	70	70	67	74	68	60	68	64	72	70	61	62	61	61	69	69	65	60	56	57	56	51	51	48	44	40	38	39	44																																			
																														3	82.7	42	40	46	48	51	73	63	59	78	72	75	70	59	60	57	64	71	68	66	65	67	64	65	61	60	58	54	51	45	42	43																																			
																														3-12-71	Level (912 kg)*	30	70	7	1	93.9	46	46	52	57	68	89	74	57	72	71	88	80	72	86	76	83	79	76	76	73	70	69	68	68	67	68	66	64	61	59	56																														
																																			2	95.3	58	57	61	62	73	89	72	59	69	72	90	83	71	87	78	85	82	80	80	77	74	72	71	72	71	68	65	63	62	61	58																														
																																			3	94.5	49	47	53	57	69	89	75	60	72	70	90	82	73	85	77	84	79	77	76	73	71	69	70	68	67	68	65	62	61	60	57																														
																																			3-12-71	Level (912 kg)*	30	70	8	1	92.5	49	48	58	60	69	84	66	56	68	73	86	79	72	85	78	84	82	80	76	74	72	69	69	66	65	62	59	59	56	57	54																									
																																								2	92.5	46	46	51	57	67	83	64	55	61	70	87	79	68	86	74	85	79	78	75	72	70	69	69	67	65	63	62	61	57	56	55																									
																																								3	92.6	46	44	52	54	65	87	75	58	68	67	87	80	72	84	76	82	79	76	75	73	71	69	68	67	65	66	64	61	57	56	53																									
																																								3-12-71	Level (912 kg)*	30	70	9	1	92.8	45	44	53	50	63	80	65	52	68	71	86	77	69	87	76	87	83	78	74	70	70	67	67	66	65	64	61	59	57	55	57																				
																																													2	93.4	49	49	55	55	63	84	71	57	65	69	87	82	73	87	78	84	82	78	75	75	73	70	69	70	69	67	64	61	60	60	60																				
																																													3	93.0	46	43	47	52	63	82	68	54	70	72	87	79	69	87	76	85	82	78	77	72	72	69	69	67	66	64	62	60	57	57	57																				
																																													3-12-71	Level (912 kg)*	30	70	10	1	92.3	47	48	60	58	72	90	72	64	61	66	83	80	76	68	76	77	78	76	74	74	72	70	69	66	63	60	59	58	57	57																
																																																		2	93.1	56	62	67	69	75	91	72	69	70	64	79	77	74	72	80	75	77	78	75	74	72	71	70	66	63	62	61	58	58	56	56															
																																																		3	93.8	53	54	58	61	74	92	72	66	66	64	82	80	78	72	74	82	76	76	78	77	75	74	71	69	67	64	61	61	59	57	54															
																																																		3-12-71	Level (912 kg)*	30	70	11	1	89.0	45	47	54	52	68	87	68	63	68	61	59	67	69	76	73	67	75	74	73	72	69	69	67	65	63	60	59	57	55	54											
																																																							2	89.0	56	62	63	61	70	88	68	64	69	61	67	59	64	73	72	73	71	75	71	72	69	69	69	67	65	61	58	55	55	55	54										
																																																							3	89.3	45	50	58	60	70	88	68	64	73	63	68	62	67	74	74	71	72	75	72	71	71	70	68	65	64	63	59	58	56	55	54										
																																																							3-12-71	Level (912 kg)*	30	70	12	1	84.7	47	48	51	50	63	82	64	61	68	61	71	64	53	66	66	73	71	65	72	67	69	68	64	63	63	59	56	53	50	48	49					
																																																												2	84.6	65	65	59	61	66	82	62	61	69	60	70	66	59	56	63	73	73	67	67	72	66	66	65	63	61	57	53	52	47	47	48					
																																																												3	84.6	49	53	55	58	62	81	66	61	72	70	74	68	59	58	62	74	73	69	65	71	68	70	66	63	62	59	56	53	49	46	46					
																																																												3-12-71	Level (912 kg)*	30	70	13	1	94.1	57	51	56	57	67	88	73	60	73	73	88	81	72	87	76	85	82	76	76	72	72	67	66	65	67	63	62	60	60	60	57
																																																																	2	95.5	60	59	61	62	71	88	69	59	67	74	90	80	71	89	76	87	85	79	77	75	73	72	72	72	69	66	64	62	61	62	56
																																																																	3	95.7	48	50	61	60	72	88	70	58	73	77	90	81	72	88	77	88	83	80	78	75	73	71	70	69	67	66	63	61	61	61	57

*Take-off gross weight.

TABLE XVIII. - SUMMARY OF ONE-THIRD OCTAVE BAND SOUND PRESSURE LEVELS FOR THE STANDARD OH-6A HELICOPTER (CONFIGURATION D)
AS MEASURED ON TRACK AND Laterally for various flight conditions, altitudes, and forward speeds - Continued

Date	Flight condition	Altitude, meters	Airspeed, knots	Microphone position	Flight	One-third octave band sound pressure levels, dB, for frequencies, Hz, of -																																
						Overall	10	12	16	20	25	32	40	50	63	80	100	125	160	200	250	320	400	500	630	800	1000	1250	1600	2000	2500	3200	4000	5000	6300	8000	10 000	
3-13-71	Level (729 kg)*	30	40	1	1	91.8	44	44	55	53	62	81	61	55	70	71	86	76	68	86	73	84	81	77	76	70	69	68	70	68	65	63	59	58	59	60	58	
					2	93.9	45	46	52	56	67	84	63	59	75	74	89	77	70	88	75	86	82	79	76	73	72	69	72	70	64	64	61	62	60	62	60	
					3	92.8	44	44	56	53	67	86	66	56	72	71	87	78	72	85	72	85	80	77	73	71	71	69	70	67	67	65	62	62	60	61	59	
					4	94.0	44	48	52	54	66	83	62	59	77	74	89	79	69	87	75	87	83	79	77	73	71	69	71	69	65	63	61	60	61	60	58	
					5	92.0	45	45	59	54	65	83	63	55	69	73	87	76	68	85	72	83	81	77	75	72	71	68	69	69	63	62	60	58	58	59	57	
				2	1	92.3	44	44	51	54	64	83	61	56	72	72	86	76	70	86	74	85	82	77	76	71	71	70	69	69	65	65	62	60	59	57	55	
					2	94.6	46	44	54	60	69	88	66	61	77	74	89	78	69	88	76	86	83	79	77	75	73	71	70	70	67	65	63	61	60	59	57	
					3	93.8	43	46	51	53	68	86	68	58	73	73	89	78	68	86	74	85	80	78	76	73	72	69	69	69	65	64	60	58	58	55	55	
					4	94.8	44	46	54	52	67	84	62	60	76	74	90	79	71	88	77	87	84	70	79	75	74	71	72	69	66	65	61	61	59	57	56	
					5	92.6	45	44	58	55	65	84	63	56	72	74	87	76	68	85	75	84	82	78	76	73	70	69	70	68	65	63	60	61	56	56	54	
				3	1	92.7	44	45	53	52	60	77	57	55	68	73	88	78	71	86	76	85	82	78	76	74	71	70	69	68	65	63	60	61	59	57	58	
					2	94.6	45	46	54	55	64	80	61	60	75	76	89	80	71	89	77	87	84	77	78	74	75	73	71	70	70	67	67	64	61	61	60	60
					3	94.1	44	45	52	57	68	85	63	58	72	73	89	79	70	87	75	85	84	79	77	73	71	70	71	69	66	64	60	60	59	57	60	
					4	94.1	44	46	54	52	64	80	60	61	77	76	89	78	71	88	77	86	85	78	79	74	72	71	71	69	66	64	60	60	59	57	59	
					5	92.9	44	47	57	54	66	87	67	59	73	71	86	79	69	85	73	84	82	77	76	71	69	69	69	68	65	65	62	59	58	56	57	
				4	1	88.6	45	47	60	54	72	86	62	59	66	64	79	79	71	61	70	75	74	73	73	70	67	67	66	64	63	60	58	60	59	59	58	
					2	89.5	41	49	60	55	73	88	65	64	68	61	76	78	72	67	78	73	74	73	71	68	67	66	65	63	61	59	61	59	62	58		
					3	88.7	41	43	59	53	71	86	63	57	62	65	79	76	69	62	71	76	76	74	73	70	68	67	67	64	63	61	58	60	60	60		
					4	89.4	42	46	61	54	73	87	63	61	68	63	73	73	72	68	69	79	73	76	74	73	69	66	67	65	63	61	60	61	59	62	57	
					5	87.0	40	46	60	52	69	84	61	56	61	63	77	76	71	61	69	75	75	73	73	71	68	66	66	63	64	61	58	59	62	56		
				5	1	83.3	39	43	51	51	69	81	58	57	64	62	66	66	56	61	71	66	68	65	70	68	66	65	62	62	59	55	54	52	49	59	52	
					2	84.0	35	38	50	47	68	81	58	58	65	82	66	60	57	71	69	75	63	73	72	67	64	64	64	62	61	56	55	53	48	55	48	
					3	84.3	36	41	47	46	69	82	58	56	66	62	66	56	61	70	69	74	66	74	70	68	67	65	63	61	59	57	54	50	56	50		
					4	84.7	37	43	51	49	67	81	58	58	67	60	65	57	58	71	70	77	64	75	71	68	67	64	64	63	62	59	54	54	51	56	51	
					5	83.4	36	42	52	48	68	81	57	56	65	57	65	55	61	70	67	69	69	72	69	65	65	65	63	63	60	58	53	54	50	53	49	
				6	1	79.0	40	41	46	47	65	76	54	56	61	60	67	61	50	60	64	70	66	60	68	63	61	60	59	56	56	54	50	49	45	46	47	
					2	79.0	37	39	52	46	61	75	54	55	62	63	69	62	57	52	62	69	68	65	63	65	60	63	61	60	58	56	52	51	45	47	44	
					3	79.3	31	42	41	46	64	77	54	55	60	63	67	62	48	57	63	70	65	62	65	65	61	60	58	56	54	51	49	43	43	40		
					4	79.3	34	42	43	46	63	76	56	55	64	62	69	63	52	58	61	70	66	66	61	61	61	61	59	57	56	55	52	48	42	44	41	
					5	79.6	36	38	47	44	63	76	54	55	63	61	69	57	52	61	62	70	67	64	70	62	62	61	59	58	54	51	49	45	45	41		
				7	1	92.2	45	47	58	54	67	86	66	57	74	70	88	79	70	84	71	81	77	74	71	70	69	67	69	68	68	66	64	63	59	59	56	
					2	93.7	44	45	55	56	66	86	66	58	74	74	89	80	69	86	74	85	79	76	74	73	73	72	70	68	68	66	64	61	61	60	59	
					3	93.3	44	45	57	56	66	81	61	58	72	73	88	79	69	87	76	86	82	78	77	73	71	70	71	67	62	62	60	59	60	60		
					4	94.1	44	47	56	53	65	81	60	60	75	76	89	81	69	87	76	86	84	79	78	75	72	72	71	70	69	64	61	62	61	60	61	
					5	92.5	44	45	59	53	65	86	67	54	71	72	87	77	67	85	72	83	80	78	75	71	69	68	69	70	68	65	64	62	61	60	57	
				8	1	91.4	44	45	54	53	62	80	61	53	68	73	85	76	68	85	73	84	80	78	76	72	69	69	67	68	66	65	60	58	58	58	55	
					2	93.4	44	44	54	53	62	70	58	56	69	75	89	81	71	87	76	86	82	79	77	73	72	71	70	70	66	63	62	59	60	57	54	
					3	92.8	44	46	57	52	63	79	58	56	72	74	88	79	69	86	76	85	83	78	77	73	70	68	69	66	62	59	60	59	57	56		
					4	94.5	44	42	53	55	63	73	53	55	68	75	89	82	73	88	77	87	84	81	80	76	71	68	69	67	66	62	62	61	62	56		
					5	91.9	44	43	57	53	64	83	63	55	67	71	87	77	68	85	73	83	81	77	75	72	70	70	68	69	66	64	62	60	57	58	55	
				9	1	91.5	44	42	47	52	55	69	54	51	65	71	86	77	68	85	75	84	82	78	75	71	68	67	70	68	66	63	58	59	56	56	56	
					2	92.6	44	42	45	49	62	78	58	55	72	73	87	78	70	87	75	85	81	76	73	70	70	69	67	70	68	66	63	62	59	58	58	
3	92.2	44	42		48	45	57	75	56	55	70	72	87	75	68	86	75	85	82	76	73	70	70	70	69	66	64	62	60	57	58	58						
4	93.8	44	43		49	52	59	71	52	53	62	74	88	82	72	86	78	88	82	81	79	77	72	72	72	67	65	68	63	62	59	62	57	58				
5	92.2	44	43		50	47	55	72	53	51	65	72	87	77	69	85	75	86	83	76	75	71	69	67	68	68	66	62	59	57	55	56	56					
10	1	90.8	45	47	53	57	71	89	68	58	60	61	78	78	74	62	69	75	74	75	75	71	69	69	68	65	61	61	58	58	59	57	55					
	2	92.1	41	45	52	54	72	91	68	61	66	61	77	78	73	70	71	80	73	74	72	71	70	70	69	66	64	62	59	57	58	58	55					
	3	90.7	42	42	54	55	72	89	68	57	64	62	78	75	73	67	71	78	75	74	76	72	70	69	70	66	64	62	59	58	57	57	57					
	4	91.6	41	46	55	54	73	90	69	61	68	63	78	78	72	73	71	79	76	74	75	74	71	70	69	66	64	63	59	58	58	58	58					
	5	90.2	40	42	54	52	70	88	68	58	55	65	81	75	70	64	71	75	75	73	73	72	71	70	69	68	66	63	60	57	56	55	54					

TABLE XVIII. - SUMMARY OF ONE-THIRD OCTAVE BAND SOUND PRESSURE LEVELS FOR THE STANDARD OH-6A HELICOPTER (CONFIGURATION D)
AS MEASURED ON TRACK AND Laterally FOR VARIOUS FLIGHT CONDITIONS, ALTITUDES, AND FORWARD SPEEDS - Continued

Date	Flight condition	Altitude, meters	Airspeed, knots	Microphone position	Flight	One-third octave band sound pressure levels, dB, for frequencies, Hz, of -																															
						Overall	10	12	16	20	25	32	40	50	63	80	100	125	160	200	250	320	400	500	630	800	1000	1250	1600	2000	2500	3200	4000	5000	6300	8000	10000
3-13-71	Level (729 kg)*	30	40	11	1	87.2	40	40	49	52	69	86	64	60	72	56	57	64	66	73	64	65	72	66	70	68	66	65	64	62	62	61	58	56	55	59	53
					2	87.3	38	41	49	51	68	86	64	63	71	57	58	61	64	75	68	70	72	70	69	67	64	65	64	62	61	58	56	54	57	53	
					3	86.8	35	44	49	52	67	86	65	58	64	58	59	62	65	74	67	63	72	67	69	68	67	65	65	63	62	60	58	56	54	57	53
					4	87.7	37	42	50	51	68	86	65	62	70	57	62	62	64	78	68	67	72	72	69	69	68	66	64	62	61	59	56	55	55	58	54
					5	87.2	36	38	48	51	68	86	64	59	70	55	60	67	68	74	64	67	72	68	71	68	67	66	65	65	62	60	57	57	53	57	52
				12	1	83.1	39	43	47	48	65	81	59	59	72	58	65	61	52	60	64	71	63	67	70	62	62	63	61	61	57	56	52	52	49	50	50
					2	83.2	39	44	40	46	63	82	61	58	63	60	66	65	54	59	64	70	71	61	68	65	64	63	60	60	59	57	53	52	48	49	48
					3	82.6	30	37	38	47	63	81	60	53	58	57	66	61	50	65	64	71	68	63	68	64	64	63	60	61	59	56	53	51	48	47	48
					4	82.7	32	42	40	47	64	81	60	57	66	60	69	65	52	61	62	72	69	61	67	67	63	61	62	60	57	57	51	51	46	48	47
					5	83.3	30	30	45	49	63	82	61	58	65	58	65	58	52	66	64	70	64	69	70	64	66	64	62	61	60	58	54	50	47	48	46
				13	1	92.2	44	47	55	56	67	85	64	57	73	71	87	78	67	85	72	82	80	77	75	71	70	70	69	67	67	65	63	59	59	61	59
					2	93.6	44	45	49	53	65	83	61	60	75	75	88	79	71	87	76	86	82	80	76	73	72	71	70	68	66	64	61	60	58	61	58
					3	92.9	43	45	57	56	65	83	62	57	72	72	87	76	69	86	75	86	82	79	78	73	71	70	69	67	64	64	60	59	58	60	56
					4	93.7	45	45	57	57	61	77	57	60	76	76	89	80	70	86	76	86	82	78	78	75	72	70	70	67	67	63	62	60	61	62	60
					5	92.7	45	44	57	52	65	85	66	56	71	72	88	77	67	85	73	84	78	75	74	70	70	69	67	69	65	66	61	58	58	59	57
	Level (912 kg)*	30	70	1	1	93.6	45	44	52	53	70	88	70	56	69	70	89	80	71	86	74	83	79	75	75	72	70	68	68	68	67	66	63	62	61	60	57
					2	93.9	45	44	56	59	71	88	67	56	66	73	88	78	70	87	75	84	82	79	74	73	70	69	68	67	65	64	61	60	60	57	
					3	93.1	44	45	55	59	70	87	68	57	69	72	87	81	68	85	74	85	80	77	74	72	71	68	69	68	65	64	62	62	61	59	58
					4	93.0	44	45	54	55	69	87	69	57	69	70	88	77	67	85	74	83	81	76	74	71	70	68	68	65	66	65	61	58	59	57	
					5	93.9	44	45	57	55	70	87	68	55	69	73	88	76	70	86	75	86	81	79	75	72	71	68	70	68	66	65	62	60	60	62	59
				2	1	93.3	45	45	57	58	71	87	67	56	69	72	88	78	69	86	75	84	82	78	75	73	70	68	69	69	69	66	62	60	58	58	57
					2	94.3	45	45	52	57	70	88	71	57	71	71	89	79	71	86	76	86	82	79	77	73	71	69	70	68	66	64	62	59	58	56	
					3	93.9	44	44	55	58	69	87	67	55	69	71	88	81	70	87	74	85	83	78	75	74	72	70	68	68	65	64	63	62	59	59	56
					4	94.1	45	47	54	57	70	88	70	57	70	72	89	79	68	86	74	84	81	77	77	74	71	67	69	68	68	65	63	62	57	56	55
					5	94.3	45	44	52	55	69	88	71	56	71	70	89	81	70	87	74	84	82	78	78	72	70	69	68	68	67	65	62	63	59	59	57
				3	1	93.8	45	43	52	52	68	89	71	57	71	71	88	82	69	86	74	84	80	74	74	72	69	67	68	68	66	66	64	61	60	58	58
					2	94.3	44	46	53	57	72	88	70	57	72	72	88	81	70	87	76	86	81	78	76	73	71	70	67	69	67	63	61	61	59	59	58
					3	94.5	44	46	57	57	71	88	69	56	69	73	89	80	70	87	74	86	82	78	75	73	71	70	70	70	70	65	63	62	61	59	59
					4	93.7	45	49	61	59	72	87	65	56	69	72	87	79	70	87	77	85	81	78	76	73	72	70	68	67	63	61	60	59	59	58	
					5	95.8	44	47	58	59	73	90	71	58	72	72	90	80	72	88	77	86	84	79	78	74	72	72	71	69	67	66	63	62	60	59	59
				4	1	87.5	41	47	61	55	71	82	60	61	67	67	80	78	72	64	71	74	75	76	75	73	70	70	68	67	66	62	59	60	59	58	55
					2	88.0	40	46	59	57	70	81	60	61	62	68	80	80	75	65	73	73	78	75	75	73	71	70	68	66	64	62	60	60	60	55	
					3	87.6	41	48	59	55	72	82	58	59	64	67	81	77	73	63	71	77	73	74	75	73	72	69	70	66	65	62	60	59	59	60	55
					4	87.0	41	47	60	55	70	80	59	57	63	69	80	79	70	65	69	73	76	75	75	73	70	68	68	65	64	62	60	59	58	58	53
					5	87.4	41	50	60	55	74	82	59	63	72	67	79	77	73	66	69	75	73	74	75	73	71	68	68	67	64	61	59	57	56	58	53
				5	1	84.1	40	42	51	53	70	81	59	63	70	60	66	59	64	72	68	70	69	74	70	70	66	68	65	63	61	58	54	52	51	50	48
					2	84.4	37	45	50	50	73	81	58	62	70	62	68	57	60	70	71	73	65	76	72	70	65	66	64	61	60	57	54	52	48	49	46
					3	84.1	38	38	48	53	73	80	58	63	70	64	69	58	60	69	70	73	65	74	71	70	67	65	65	62	61	58	54	52	49	49	46
					4	84.3	37	41	56	50	59	68	56	61	63	52	59	68	71	78	68	73	75	74	73	72	74	72	67	67	65	61	58	58	55	56	52
					5	84.8	37	42	52	54	71	80	60	64	71	61	70	58	62	72	72	74	66	77	71	71	67	67	67	63	62	60	54	52	50	44	42
				6	1	80.8	34	40	49	50	63	75	58	63	68	59	70	58	54	65	65	71	69	69	72	66	66	65	63	63	60	56	53	50	44	44	42
					2	80.6	31	35	45	49	64	76	57	61	69	60	67	62	53	63	65	72	68	65	70	67	68	64	63	62	61	57	54	50	47	46	42
3	80.5	38	41		45	45	68	77	55	60	64	62	70	64	53	59	64	69	67	64	70	66	64	62	62	59	58	55	52	50	44	43	40				
4	80.8	31	40		52	49	66	75	57	61	70	62	69	60	55	64	66	72	64	70	71	66	65	65	63	60	59	56	53	49	45	44	41				
5	80.4	35	40		42	50	66	76	56	60	67	62	71	63	51	58	65	69	67	65	69	67	65	63	62	61	59	55	53	50	45	44	42				
7	1	92.9	45	44	52	55	67	88	72	58	69	69	87	79	71	85	74	83	78	73	73	70	69	68	67	68	67	67	66	62	59	58	57				
	2	94.0	45	45	55	57	71	87	69	56	68	70	87	79	69	87	76	86	82	78	77	73	70	69	70	68	68	65	63	60	60	57					
	3	93.5	47	47	53	58	69	88	70	56	70	70	87	80	69	87	75	85	81	77	74	73	69	69	70	69	68	68	66	62	62	58	58				
	4	92.2	43	48	57	55	68	84	63	52	65	73	86	78	68	85	73	84	81	77	75	71	69	66	67	66	65	64	62	60	57	57	56				
	5	93.6	45	44	54	54	69	81	57	59	69	69	86	81	70	86	76	84	81	77	76	74	70	68	69	67	69	67	64	63	61	61	58				

TABLE XVIII.- SUMMARY OF ONE-THIRD OCTAVE BAND SOUND PRESSURE LEVELS FOR THE STANDARD OH-6A HELICOPTER (CONFIGURATION D)
AS MEASURED ON TRACK AND Laterally for various flight conditions, altitudes, and forward speeds - Continued

Date	Flight condition	Altitude, meters	Airspeed, knots	Microphone position	Flight	One-third octave band sound pressure levels, dB, for frequencies, Hz, of -																																
						Overall	10	12	16	20	25	32	40	50	63	80	100	125	160	200	250	320	400	500	630	800	1000	1250	1600	2000	2500	3200	4000	5000	6300	8000	10000	
3-13-71	Level (912 kg)*	30	70	8	1	93.0	44	44	51	54	68	87	71	55	69	68	86	79	71	87	74	83	79	76	74	72	69	68	68	67	67	65	63	63	59	58	52	
					2	93.7	44	44	55	55	69	85	65	54	61	73	87	78	72	88	75	86	82	79	76	73	71	69	71	69	68	67	65	61	61	59	60	54
					3	93.0	44	46	52	54	69	87	70	57	70	70	87	79	73	85	74	83	80	75	74	72	71	69	69	68	67	64	63	58	57	53		
					4	91.9	44	42	50	52	67	85	67	58	68	70	87	78	68	85	73	82	79	76	74	72	69	65	65	64	63	58	57	55	53			
					5	93.9	44	43	53	55	68	88	73	58	71	69	88	82	75	86	76	84	81	76	76	74	71	70	69	67	68	67	66	62	60	58	54	
				9	1	92.2	44	42	46	52	62	82	66	55	67	68	87	78	71	86	75	85	78	74	74	72	69	67	68	68	67	67	65	61	57	57	56	
					2	93.1	44	42	50	50	64	81	61	53	63	72	86	79	71	86	77	87	84	78	76	71	70	69	69	69	67	65	60	60	57	57	57	
					3	92.9	44	43	50	56	64	80	58	52	61	73	88	77	69	86	77	85	83	77	75	72	70	67	68	67	66	64	61	59	55	54	57	
					4	91.7	44	43	45	47	63	82	63	51	66	68	86	77	69	86	74	84	79	75	74	72	70	68	68	67	66	62	59	56	57	56		
					5	93.2	44	43	46	51	63	83	68	56	65	69	89	81	72	86	76	84	80	77	76	72	72	70	69	70	69	68	65	63	59	59	59	
				10	1	91.7	42	44	56	55	72	90	69	61	61	66	83	78	76	66	71	74	76	75	76	73	71	71	68	66	64	61	59	57	56	55	55	
					2	91.7	40	44	54	58	71	89	70	59	56	63	82	78	74	69	73	78	77	76	77	75	73	73	71	68	65	63	61	59	58	55	54	
					3	91.8	40	46	60	55	74	90	66	61	64	68	80	80	73	66	73	76	76	77	77	73	72	71	71	67	65	63	59	58	56	55	54	
					4	90.8	41	44	56	56	72	89	67	61	61	67	81	78	74	67	72	73	76	76	74	74	71	71	70	65	67	65	60	58	56	54	54	
					5	91.9	42	46	58	59	75	89	67	68	66	72	79	79	77	74	76	77	78	77	79	76	72	71	70	68	66	62	62	59	58	58	56	
				11	1	88.8	37	39	55	52	71	88	65	65	72	57	60	67	70	73	68	68	76	71	74	72	69	67	67	65	64	62	59	56	55	55	51	
					2	88.0	36	41	52	54	69	87	65	62	69	59	58	66	67	75	71	66	75	70	72	71	71	69	68	65	63	63	60	57	56	56	52	
					3	88.1	39	44	55	50	67	87	67	63	67	56	56	69	69	77	70	68	74	70	73	70	72	68	68	67	65	62	61	57	56	55	53	
					4	88.5	35	42	53	53	70	87	65	63	70	56	65	70	70	73	69	72	77	74	74	71	71	68	67	66	64	61	57	58	56	55	50	
					5	88.6	36	40	53	54	71	87	66	66	74	58	59	65	67	73	71	66	74	73	73	70	70	67	68	66	63	62	59	60	56	56	52	
				12	1	84.9	37	38	49	47	65	83	62	62	70	59	68	59	55	65	68	73	67	69	71	67	67	65	64	63	61	58	54	48	45			
					2	84.5	34	39	50	47	65	82	61	61	68	61	68	63	52	66	67	74	69	65	73	67	67	65	64	62	61	58	54	48	46	44		
					3	84.6	32	39	51	48	65	83	61	61	70	60	68	62	52	66	68	73	68	66	73	65	65	63	60	59	56	52	48	48	44			
					4	85.0	32	34	46	48	64	83	62	58	67	58	66	59	57	70	69	73	64	71	71	68	69	66	63	61	60	58	54	53	48	44		
					5	84.8	34	37	42	50	63	83	64	60	66	59	71	63	54	66	66	74	72	64	71	67	69	66	65	63	62	58	56	53	49	47	44	
				13	1	93.1	44	45	57	57	69	85	65	54	65	73	88	75	70	86	74	83	82	78	77	72	70	69	67	67	66	64	61	59	59	62	57	
					2	93.8	45	46	57	61	72	85	64	56	65	74	88	79	71	87	75	85	83	78	76	73	70	69	68	68	65	64	61	60	57	59	57	
					3	93.3	45	47	50	54	69	87	69	56	70	70	88	80	69	86	73	83	81	77	77	71	72	68	67	67	66	65	62	61	59	59	57	
					4	92.4	44	44	52	54	69	86	68	57	70	71	86	77	69	85	74	83	79	77	75	72	70	68	68	66	64	65	62	61	58	57	57	
					5	93.4	45	44	56	58	70	86	67	57	69	72	88	77	72	86	74	83	82	79	76	72	71	69	69	68	65	63	62	61	58	59	55	
	Level (1094 kg)*	30	70	1	1	94.0	45	45	53	57	68	88	70	56	71	71	90	80	71	85	74	84	80	77	76	74	70	68	70	68	67	67	64	61	60	59	57	
					2	93.7	46	44	54	57	69	88	72	59	72	71	88	81	73	86	74	83	78	77	74	74	71	69	68	68	67	67	64	63	60	60	59	
					3	94.7	46	49	62	62	73	88	68	57	66	76	88	79	72	87	75	87	84	79	77	75	71	71	71	70	67	65	63	62	61	62	58	
					4	94.0	48	46	59	60	71	85	66	57	69	73	89	80	70	87	74	86	83	78	78	75	70	69	71	68	66	64	62	61	61	61	60	
					5	94.2	44	45	58	60	71	89	74	59	71	72	88	82	74	86	76	83	80	76	76	74	73	70	71	68	67	64	63	61	62	59		
				2	1	94.2	44	45	51	56	68	88	73	58	72	71	90	82	74	84	75	84	81	77	75	74	71	68	69	68	68	65	64	62	59	58	55	
					2	94.2	44	48	62	61	70	87	65	56	68	74	88	79	72	87	75	86	82	79	79	75	71	70	70	70	68	64	63	62	58	56	55	
					3	94.3	45	48	61	61	72	87	67	55	69	73	89	79	71	87	76	84	84	79	77	75	71	69	70	69	68	64	64	62	58	57	55	
					4	94.1	45	47	60	58	72	88	70	57	68	74	88	80	72	87	75	84	82	78	78	75	72	72	69	70	68	67	63	63	61	58	56	
					5	94.9	47	48	63	61	72	88	68	56	71	75	90	81	71	87	76	87	82	78	78	75	73	70	70	69	68	64	63	62	59	58	56	
				3	1	94.9	44	43	49	54	69	90	73	57	72	73	89	82	73	86	75	84	81	76	75	72	71	69	69	71	68	67	64	63	59	58	59	
					2	95.0	45	46	60	60	71	89	70	57	70	75	89	82	72	87	75	86	82	79	78	74	72	70	71	69	68	66	62	63	59	59	59	
3					95.4	45	45	58	61	72	90	73	59	73	73	90	84	74	87	76	85	83	79	78	76	72	72	70	71	69	68	66	63	61	59	58		
4					94.7	44	44	50	59	72	90	75	57	70	71	89	82	71	86	75	82	72	79	78	76	74	72	69	70	69	68	66	63	61	60	60		
5					95.5	46	50	64	62	74	88	68	57	71	75	91	79	69	88	76	86	84	79	79	76	72	71	71	69	68	66	62	62	60	60	60		
4				1	88.5	42	46	57	58	74	84	60	61	69	67	79	77	74	67	73	77	76	75	74	73	67	68	66	65	60	58	60	58	58	56			
				2	88.8	41	47	59	55	75	84	61	64	71	69	80	78	75	68	73	77	73	75	75	73	67	68	67	65	63	60	60	60	60	55			
				3	89.6	44	48	59	57	76	86	62	64	73	66	76	79	75	66	73	79	75	76	75	74	72	69	70	66	65	63	60	58	60	59	54		
				4	89.0	42	46	58	59	76	85	61	65	74	65	76	77	76	68	69	78	73	78	77	75	72	69	69	67	65	63	61	60	59	59	55		
				5	88.8	44	48	61	59	76	85	62	65	73	66	78	78	72	66	71	78	74	76	76	74	72	69	69	66	65	63	60	60	58	59	54		

TABLE XVIII.- SUMMARY OF ONE-THIRD OCTAVE BAND SOUND PRESSURE LEVELS FOR THE STANDARD OH-6A HELICOPTER (CONFIGURATION D)
AS MEASURED ON TRACK AND Laterally FOR VARIOUS FLIGHT CONDITIONS, ALTITUDES, AND FORWARD SPEEDS - Concluded

Date	Flight condition	Altitude, meters	Airspeed, knots	Microphone position	Flight	One-third octave band sound pressure levels, dB, for frequencies, Hz, of -																															
						Overall	10	12	16	20	25	32	40	50	63	80	100	125	160	200	250	320	400	500	630	800	1000	1250	1600	2000	2500	3200	4000	5000	6300	8000	10000
3-13-71	Level (1094 kg)*	30	70	5	1	85.3	38	42	54	56	68	81	59	64	71	58	61	65	68	73	69	70	75	73	74	71	71	70	69	66	64	60	58	54	52	53	50
					2	85.7	38	40	51	52	73	82	56	62	69	64	69	61	61	71	71	73	70	78	74	71	67	67	67	64	62	60	55	54	51	51	49
					3	86.2	37	44	52	52	73	83	59	64	70	66	68	60	59	72	70	75	67	77	75	72	70	67	65	64	63	58	56	54	52	51	48
					4	85.7	35	40	52	54	72	82	59	64	73	64	69	58	61	70	70	74	68	77	73	72	70	67	68	65	62	59	57	54	51	53	48
					5	85.3	36	42	55	51	64	77	59	64	68	61	64	65	67	79	71	67	73	75	75	73	74	72	69	68	65	63	58	57	54	54	50
				6	1	82.5	39	40	46	46	64	77	55	63	70	62	69	57	57	67	69	74	67	71	73	68	69	66	64	64	60	60	56	54	47	48	42
					2	81.9	34	32	48	47	65	77	55	62	71	64	71	64	55	64	67	73	70	67	71	66	67	65	64	62	61	58	54	52	47	47	43
					3	82.0	36	39	46	49	68	78	56	60	68	68	71	67	54	58	64	70	70	70	67	68	65	67	63	61	60	56	53	51	47	45	41
					4	81.3	37	41	47	48	68	77	55	60	68	65	72	65	54	59	63	70	69	69	64	66	64	65	62	61	58	55	54	50	46	44	40
					5	81.8	34	44	42	48	66	76	55	61	68	62	70	64	52	58	66	73	71	67	70	70	69	67	65	62	60	58	55	50	46	46	43
				7	1	93.4	44	47	59	58	69	87	68	55	65	72	87	79	68	86	74	84	82	77	77	74	72	69	70	70	69	67	63	61	60	59	57
					2	93.6	45	47	61	57	70	86	67	55	68	72	88	80	71	86	75	84	83	79	77	76	72	70	68	71	69	64	63	61	60	62	59
					3	95.2	46	47	62	62	73	89	69	58	71	76	89	81	73	88	76	86	82	79	80	76	73	72	71	73	68	68	65	64	62	62	59
					4	94.7	45	46	55	55	70	90	75	59	71	70	89	83	73	85	76	85	81	77	76	75	72	70	69	70	71	68	67	64	62	61	57
					5	94.7	45	46	59	60	69	88	72	56	73	72	90	80	74	86	75	84	81	78	77	74	70	67	69	69	68	66	65	62	61	61	59
				8	1	92.8	44	43	54	55	67	86	67	54	66	71	87	79	70	85	74	85	80	77	75	74	70	69	67	67	66	65	60	60	57	57	54
					2	93.7	43	43	47	54	66	88	72	57	70	72	89	80	73	85	75	83	79	77	77	74	71	70	68	68	67	66	63	60	58	56	
					3	94.4	44	43	52	55	70	89	74	60	74	71	89	83	75	85	78	83	80	77	76	74	72	70	69	70	70	68	66	65	62	59	54
					4	94.3	44	45	60	60	71	85	66	54	64	77	89	81	71	87	76	85	83	80	78	74	70	70	71	70	68	66	64	62	62	59	55
					5	93.7	44	43	52	56	69	88	74	60	73	72	88	83	74	84	76	82	81	77	76	74	70	68	68	69	67	67	64	62	60	58	53
				9	1	92.1	44	43	48	52	62	81	63	52	64	70	87	78	69	86	75	85	80	76	74	73	69	69	69	70	69	66	65	60	57	55	57
					2	92.9	44	43	52	53	64	80	59	53	64	75	87	79	71	86	77	86	83	79	76	73	71	69	70	69	66	64	62	60	57	56	59
					3	94.5	44	43	49	53	65	85	68	56	71	73	89	83	72	87	78	86	85	79	77	75	73	72	71	71	70	67	66	62	61	59	59
					4	93.7	44	42	49	54	66	83	66	56	68	74	89	81	72	87	76	84	80	76	77	74	72	69	70	71	69	69	66	61	59	58	57
					5	93.6	44	44	54	54	64	80	61	53	68	74	88	80	71	86	77	86	84	79	77	74	72	69	69	69	68	64	61	61	58	59	56
				10	1	93.0	43	45	60	55	73	91	70	57	58	66	82	79	75	68	74	76	78	78	77	75	72	73	70	69	65	64	61	59	56	57	54
					2	93.6	41	45	60	58	74	92	71	61	64	65	83	78	77	68	74	78	78	77	75	72	72	70	69	67	64	61	61	57	57	56	
					3	93.5	43	48	58	57	72	92	72	61	65	63	81	80	78	74	73	82	76	75	77	76	75	73	71	68	66	65	64	61	58	58	56
					4	93.2	43	50	61	59	77	92	68	61	70	64	77	80	78	73	74	79	75	79	77	76	73	73	71	68	65	63	60	60	59	57	56
					5	93.6	42	47	61	57	74	92	71	60	64	65	81	80	77	70	75	80	77	77	78	77	75	74	71	69	67	64	63	61	58	58	58
				11	1	90.2	39	43	58	53	71	89	66	61	68	56	61	70	72	76	70	72	78	73	75	72	72	69	69	67	66	63	59	57	55	55	52
					2	90.5	37	44	54	54	72	89	66	63	72	59	60	67	69	74	73	69	76	72	74	71	71	68	66	66	63	63	60	58	55	56	53
					3	89.6	38	45	53	52	70	88	68	62	69	60	65	66	69	78	73	72	73	75	72	74	71	69	69	67	65	62	61	58	57	57	55
					4	89.9	36	44	56	56	72	89	67	61	72	59	63	65	71	76	73	68	74	74	72	73	71	69	67	65	64	62	60	58	57	58	54
					5	90.1	37	40	56	54	71	89	67	61	66	59	62	68	70	75	73	69	73	74	73	72	73	70	67	67	65	62	60	59	56	56	53
				12	1	85.7	35	37	47	47	65	84	64	59	64	58	67	60	56	71	70	73	67	69	72	67	69	67	67	63	60	58	54	51	48	47	44
					2	85.9	37	39	50	47	63	84	65	61	67	60	71	64	54	67	68	76	72	65	71	67	68	67	65	62	60	59	55	53	49	46	45
					3	85.3	41	40	49	48	66	83	61	60	68	58	70	66	55	61	67	74	73	64	71	70	68	66	64	63	61	58	54	51	49	47	48
					4	85.7	35	37	47	47	64	84	65	60	68	59	72	65	56	65	68	74	71	65	69	70	68	66	65	64	60	60	54	54	49	49	47
					5	85.7	39	42	51	50	65	84	63	60	66	60	70	64	56	64	69	74	72	64	73	68	70	66	65	63	61	59	56	52	49	47	48
				13	1	93.4	44	48	62	57	69	85	65	55	65	74	88	77	70	86	75	85	83	79	78	73	73	68	70	69	65	64	61	60	58	59	57
					2	94.6	44	48	63	58	71	87	67	58	68	78	90	78	71	85	75	84	83	80	77	75	72	71	68	69	67	64	62	62	60	60	58
3	94.7	44	45		56	58	69	90	75	60	71	71	89	82	72	85	77	82	79	77	78	75	74	71	70	69	68	69	66	65	62	60	56				
4	94.7	45	46		60	58	72	88	70	57	70	74	89	81	70	87	77	86	81	77	78	74	73	71	70	68	68	66	64	63	61	62	58				
5	94.7	46	46		63	57	71	88	69	56	73	74	88	80	74	87	77	86	83	78	79	76	74	70	71	68	67	66	62	63	61	60	58				

TABLE XIX. - SUMMARY OF ONE-THIRD OCTAVE BAND SOUND PRESSURE LEVELS FOR THE MODIFIED OH-6A HELICOPTER (CONFIGURATION E)
AS MEASURED ON TRACK AND Laterally for various flight conditions, altitudes, and forward speeds

Date	Flight condition	Altitude, meters	Airspeed, knots	Microphone position	Flight	One-third octave band sound pressure levels, dB, for frequencies, Hz; of -																																
						Overall	10	12	16	20	25	32	40	50	63	80	100	125	160	200	250	320	400	500	630	800	1000	1250	1600	2000	2500	3200	4000	5000	6300	8000	10000	
3-6-71	Level (726 kg)*	30	70	1	1	79.6	47	47	52	60	78	63	59	58	54	63	67	66	60	62	61	62	62	62	62	62	57	58	58	58	56	53	51	48	47	47	49	46
					2	79.4	51	46	50	59	77	65	59	57	56	67	65	63	61	64	62	66	66	64	63	61	60	60	58	58	56	53	51	50	51	51	51	50
					3	78.7	48	46	54	62	77	63	58	57	54	64	67	63	59	64	60	63	62	63	60	59	57	55	58	55	50	51	48	46	46	49	45	
					4	79.9	53	47	56	63	78	64	56	56	56	63	67	66	59	64	60	60	60	60	64	57	57	58	57	52	52	50	49	52	50	49	49	49
					5	79.4	52	46	54	59	78	61	56	58	55	64	67	64	57	61	61	63	61	62	61	61	59	59	61	57	54	50	49	47	47	48	46	
					2	1	80.9	52	46	48	61	78	67	57	56	59	69	70	65	62	67	63	66	66	66	63	63	63	62	61	59	55	53	51	49	49	52	46
					2	78.5	49	43	49	57	77	62	57	59	50	57	66	62	56	60	62	60	62	60	59	59	56	57	57	53	49	48	45	45	60	52		
					3	77.1	43	43	51	57	70	67	62	55	54	64	68	67	59	62	63	65	61	64	62	61	59	58	58	55	54	52	49	49	61	53		
					4	84.0	46	46	53	60	75	66	57	59	62	78	74	74	69	74	70	71	69	69	68	66	67	65	64	62	59	57	52	52	51	61	53	
					5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
				3	1	79.1	46	42	52	57	77	68	58	53	56	64	67	63	60	62	58	63	62	63	61	60	61	59	59	57	53	52	50	48	50	48	46	
					2	79.4	52	45	50	63	78	63	61	57	51	60	63	64	59	57	60	62	61	60	57	56	55	55	53	51	49	48	45	45	60	52		
					3	80.8	46	48	56	64	78	63	59	64	52	62	67	71	66	60	67	64	65	63	62	60	57	57	54	53	49	48	44	43	43	43	43	
					4	79.9	43	41	46	56	71	78	61	62	61	56	62	64	69	61	62	61	60	62	60	58	56	55	57	56	54	51	48	47	47	47	47	
					5	79.4	52	51	55	60	78	63	58	63	53	60	66	65	60	60	63	60	61	62	60	59	59	59	58	57	53	49	49	46	46	45	45	
				4	1	81.0	47	47	55	57	76	68	60	62	55	65	68	73	67	67	70	65	66	65	66	65	63	62	60	59	56	54	52	53	51	52	47	
					2	77.9	44	50	51	53	71	70	60	58	51	63	68	69	65	60	66	61	64	64	63	63	60	58	57	55	52	51	49	48	47	47	46	
					3	78.5	45	46	48	53	74	68	59	60	53	61	67	68	67	63	66	63	66	63	62	62	61	59	58	56	54	53	52	51	53	51	46	
					4	79.3	50	46	52	57	76	66	60	61	52	66	66	69	68	59	65	62	64	63	63	61	61	60	59	56	55	54	53	52	54	53	50	
					5	77.2	52	52	51	57	72	63	59	60	53	64	67	66	63	61	67	62	63	63	62	61	60	60	57	56	55	54	54	52	51	50	47	
				5	1	79.0	43	40	51	53	75	68	60	62	56	57	56	59	71	69	61	62	66	62	63	62	61	61	58	57	54	51	48	48	47	50	45	
					2	76.4	39	43	50	53	71	66	59	60	58	54	54	63	66	61	61	64	62	63	60	59	59	55	53	52	49	47	47	50	47	41		
					3	76.7	44	44	50	57	72	63	59	58	56	54	51	59	69	66	58	59	64	62	61	60	59	59	56	55	53	49	48	49	47	45	44	
					4	76.9	45	42	42	52	73	67	60	60	56	60	55	52	64	64	63	57	64	62	65	59	60	59	58	56	52	50	49	49	47	48	45	
					5	76.0	49	49	44	56	72	61	59	61	55	56	52	61	66	64	60	61	65	61	61	60	61	59	57	56	54	50	48	48	45	45	42	
				6	1	75.0	37	44	50	51	71	62	59	63	56	60	56	47	63	63	64	62	55	60	61	59	58	55	55	53	51	47	44	40	38	36	33	
					2	73.0	41	47	44	51	67	65	56	60	56	60	60	48	52	60	63	59	56	58	61	57	55	55	52	49	46	44	42	40	39	35	32	
					3	73.4	41	40	44	48	70	60	55	59	56	61	57	50	59	59	63	62	58	57	59	56	55	54	53	51	47	45	45	44	42	38	36	
					4	73.0	36	36	45	48	69	58	59	59	59	63	58	52	55	60	60	60	64	59	55	55	54	52	51	50	49	45	44	42	40	35	35	
					5	73.4	43	46	47	53	69	60	58	61	57	62	56	49	56	58	64	61	53	59	57	56	55	53	51	52	47	46	43	39	36	37	35	
				7	1	80.0	49	45	52	63	79	64	58	63	50	56	64	63	61	56	63	58	62	60	61	60	58	56	57	57	52	49	49	46	44	45	43	
					2	79.8	38	42	50	53	72	75	57	56	58	66	68	70	62	68	65	61	63	64	63	61	61	59	59	60	59	57	52	51	50	51	49	
					3	78.8	56	54	54	64	77	63	63	60	48	56	64	64	60	56	62	58	60	59	60	58	56	55	53	51	48	47	44	44	45	44		
					4	84.2	50	47	55	66	79	62	56	62	75	72	76	67	72	72	70	70	68	66	63	64	63	62	61	57	53	53	53	49	47	44	45	44
					5	78.1	56	56	56	60	77	58	59	56	47	54	62	61	59	56	58	56	60	57	56	56	55	53	53	53	49	47	47	44	45	44	42	
				8	1	78.9	49	44	52	59	77	64	59	61	50	57	64	66	61	57	61	57	59	60	60	60	60	57	58	56	53	50	49	47	47	47	38	
					2	80.5	48	44	54	57	76	65	58	58	58	69	73	65	65	68	63	65	67	65	65	63	65	62	62	60	58	54	52	51	52	53	45	
					3	83.6	43	47	51	56	74	78	63	60	60	64	70	75	71	67	72	70	69	70	69	64	64	61	58	57	54	51	49	49	49	40		
					4	78.8	51	52	56	60	77	60	57	52	56	61	67	64	59	62	62	62	61	61	63	59	60	59	59	58	55	52	51	49	50	49	44	
					5	77.6	49	44	51	58	76	60	54	58	51	55	60	61	60	58	59	58	57	59	59	58	56	55	53	51	48	45	45	45	45	44		
				9	1	75.6	41	35	44	51	71	59	51	50	55	63	66	63	56	63	60	64	62	62	62	59	59	57	59	55	53	51	49	47	48	48		
					2	78.7	31	35	38	48	64	68	51	54	56	68	70	69	64	70	64	67	66	66	65													

TABLE XIX.- SUMMARY OF ONE-THIRD OCTAVE BAND SOUND PRESSURE LEVELS FOR THE MODIFIED OH-6A HELICOPTER (CONFIGURATION E)
AS MEASURED ON TRACK AND Laterally for Various Flight Conditions, Altitudes, and Forward Speeds - Continued

Date	Flight condition	Altitude, meters	Airspeed, knots	Microphone position	Flight	One-third octave band sound pressure levels, dB, for frequencies, Hz, of -																																
						Overall	10	12	16	20	25	32	40	50	63	80	100	125	160	200	250	320	400	500	630	800	1000	1250	1600	2000	2500	3200	4000	5000	6300	8000	10000	
3-6-71	Level (726 kg)*	30	70	11	1	79.3	36	38	48	56	77	66	56	65	58	58	51	60	71	69	63	58	63	59	61	60	59	55	55	54	53	48	44	43	42	41	40	
					2	77.0	40	46	51	57	72	65	59	56	57	49	56	63	67	67	59	64	65	64	62	61	62	59	57	54	51	47	44	43	41	42	39	
					3	77.6	40	52	50	53	75	64	60	62	54	54	50	58	68	65	58	60	65	61	62	60	59	59	56	54	51	49	44	43	42	41		
					4	76.3	44	41	47	54	74	62	59	58	56	59	53	55	62	64	62	56	63	61	60	60	59	59	56	54	50	47	47	45	43	43	41	
					5	76.7	46	48	54	54	75	62	59	60	54	52	54	59	62	62	56	60	64	60	61	60	60	58	56	54	50	47	44	43	40	41	39	
				12	1	73.8	35	36	44	49	71	62	55	59	57	61	57	48	58	59	62	62	54	57	59	57	57	54	53	50	45	42	39	35	34	34	31	
					2	72.3	39	42	47	53	68	59	55	55	53	55	54	47	55	58	62	60	55	62	57	60	56	55	53	50	46	43	38	36	34	33	33	
					3	75.6	53	58	63	66	73	62	60	62	53	58	54	47	55	55	58	60	53	57	57	55	56	54	52	48	46	42	38	36	35	35	34	
					4	72.0	32	40	45	47	67	60	50	58	55	59	59	53	45	48	59	63	61	54	60	58	57	55	53	48	46	41	40	37	34	35	35	
					5	72.1	43	43	44	48	69	59	52	58	52	59	53	47	50	56	60	61	53	58	57	55	54	49	47	45	41	37	42	36	35	35		
				13	1	84.4	51	47	54	60	78	67	56	59	62	78	71	75	68	74	69	72	69	68	68	66	66	65	65	60	57	61	52	56	51	50	47	
					2	77.7	44	46	54	60	76	62	58	57	50	59	65	60	58	57	50	59	58	57	57	55	55	52	50	49	48	48	46	47	44			
					3	80.2	50	52	53	63	78	64	58	60	58	67	68	64	58	64	62	63	64	63	64	61	62	60	60	59	54	52	51	48	48	51	48	
					4	81.1	50	44	48	60	80	64	54	54	55	61	67	65	58	64	61	64	63	63	63	62	62	60	61	58	54	50	52	50	50	50	47	
					5	79.3	50	41	54	59	78	62	58	54	56	63	62	63	58	63	59	62	62	62	62	61	61	60	59	58	57	53	52	51	47	49	50	46
3-10-71	Level (726 kg)*	30	40	1	1	84.4	43	43	54	62	84	63	53	57	56	66	66	66	60	62	60	64	64	64	66	64	64	64	63	60	55	54	52	51	53	53	53	
					2	81.3	42	43	53	58	80	62	46	51	56	68	65	62	60	66	61	64	63	63	63	62	62	60	57	56	51	50	50	48	49	49	46	
					3	83.1	46	44	54	61	82	65	55	56	54	65	63	61	56	63	62	62	61	60	62	61	59	60	59	58	51	51	49	47	48	49	48	
					4	83.2	38	40	51	58	82	68	54	56	55	67	67	63	54	60	60	61	63	60	61	63	60	61	59	59	54	52	50	49	50	49	48	
					5	85.6	45	50	52	64	85	67	57	58	57	67	69	66	62	67	62	63	63	66	66	65	64	64	61	60	57	54	55	52	51	51	47	
				2	1	81.7	38	39	48	61	81	60	52	58	53	60	65	61	55	58	58	61	60	58	61	60	59	60	58	57	54	50	46	46	44	42	42	
					2	83.0	47	42	54	59	82	67	50	57	54	66	65	60	54	58	56	60	61	60	61	61	61	61	62	61	57	54	50	46	46	44	42	
					3	84.1	43	42	53	59	83	69	54	55	54	63	66	64	58	63	59	64	64	63	65	64	63	62	61	59	53	54	50	49	48	44		
					4	85.4	40	49	54	63	85	66	58	62	52	61	66	67	59	63	63	61	63	64	64	64	62	60	69	58	54	52	50	49	48	48	47	
					5	82.7	47	42	51	60	82	63	53	50	53	62	67	65	59	62	59	60	63	61	61	61	62	61	59	57	52	49	49	48	49	46	45	
				3	1	83.8	45	43	52	62	83	66	57	57	51	64	66	63	56	60	57	60	59	60	63	61	60	59	57	56	52	49	49	48	47	46	47	
					2	83.9	45	44	49	59	83	69	53	59	57	68	66	61	55	63	61	62	62	64	65	64	65	64	65	63	60	60	54	53	51	52	49	50
					3	85.4	40	49	54	63	85	66	58	62	52	61	66	67	59	63	63	61	63	64	64	64	62	60	69	58	54	52	50	49	48	48	47	
					4	82.7	47	42	51	60	82	63	53	50	53	62	67	65	59	62	59	60	63	61	61	61	62	61	59	57	52	49	49	48	49	46	45	
					5	83.8	45	43	52	62	83	66	57	57	51	64	66	63	56	60	57	60	59	60	63	61	60	59	57	56	52	49	49	48	47	46	47	
				4	1	81.0	40	44	49	59	80	63	57	61	49	55	62	61	64	59	58	64	61	61	61	61	59	58	57	55	52	52	49	49	49	50	46	
					2	80.3	45	43	49	59	80	62	55	56	47	61	60	60	58	53	59	58	62	58	59	58	57	57	54	52	51	47	45	45	45	45	44	
					3	80.6	39	48	47	59	80	68	55	51	48	62	61	60	59	53	60	57	62	59	63	60	58	59	56	54	52	51	47	47	47	46	46	
					4	80.7	48	45	44	54	80	68	56	53	48	61	62	63	60	53	60	57	61	60	62	59	58	57	56	55	53	50	49	46	46	47	46	
				5	1	74.5	37	42	42	53	73	56	56	62	52	57	49	47	54	60	58	54	58	59	59	59	58	56	53	52	49	47	44	42	42	43	41	
					2	75.7	38	39	49	53	75	61	56	55	50	46	47	54	56	54	49	60	56	56	57	54	53	54	52	51	48	44	43	39	40	40	39	
					3	74.9	41	42	45	52	74	61	54	54	53	52	48	50	56	57	53	54	60	56	58	56	55	53	51	48	46	45	42	42	42	40		
					4	74.8	43	42	42	55	73	62	56	58	55	56	51	53	56	59	57	55	61	59	61	57	56	55	54	52	49	47	44	42	41	42	41	
					5	69.9	39	47	41	46	67	53	53	59	52	61	66	67	59	63	63	61	63	64	64	64	62	60	69	58	54	52	50	49	48	48	47	
				6	1	71.1	38	40	48	47	70	55	50	53	49	57	45	45	50	52	52	54	52	51	51	49	46	48	45	43	38	37	35	33	33	36		
					2	70.9	42	42	45	51	69	57	52	54	52	58	53	41	45	52	55	54	47	55	53	55	53	50	48	46	45	41	38	35	32	32	34	

TABLE XIX. - SUMMARY OF ONE-THIRD OCTAVE BAND SOUND PRESSURE LEVELS FOR THE MODIFIED OH-6A HELICOPTER (CONFIGURATION E)
AS MEASURED ON TRACK AND Laterally for various flight conditions, altitudes, and forward speeds - Continued

Date	Flight condition	Altitude, meters	Airspeed, knots	Microphone position	Flight	One-third octave band sound pressure levels, dB, for frequencies, Hz, of -																																	
						Overall	10	12	16	20	25	32	40	50	63	80	100	125	160	200	250	320	400	500	630	800	1000	1250	1600	2000	2500	3200	4000	5000	6300	8000	10 000		
3-10-71	Level (726 kg)*	30	40	9	1	80.3	30	37	44	52	74	58	49	53	59	71	67	64	63	70	67	66	71	67	68	68	65	64	63	61	59	56	54	54	51	51	51		
					2	75.6	32	35	41	49	72	54	46	48	53	61	62	59	58	63	60	60	63	63	64	62	62	61	60	59	56	52	50	48	48	44	45	45	
					3	78.5	34	33	38	54	75	58	49	54	54	70	66	65	57	66	62	64	65	63	64	62	61	62	60	58	54	53	51	49	46	47	46	46	
					4	77.9	32	34	42	50	74	60	46	54	52	64	68	63	61	65	65	69	64	64	64	64	65	64	62	60	59	55	52	50	50	46	46	47	
					10	1	77.3	34	44	52	53	73	62	57	61	51	55	62	65	66	58	61	63	62	64	64	64	63	61	60	57	54	52	51	52	51	51	49	
					2	75.3	38	40	50	55	74	55	53	52	46	49	56	60	58	51	54	54	57	57	58	58	56	55	54	51	47	45	44	43	44	40	41	41	
					3	76.2	39	39	49	55	73	65	52	58	52	62	63	63	62	54	58	56	61	58	62	60	60	59	56	55	52	50	49	48	47	48	45	45	
					4	76.9	40	45	50	56	74	67	56	59	53	62	62	63	61	53	61	53	61	57	60	60	60	61	57	56	54	50	51	49	50	49	47	47	
				11	1	71.6	36	39	36	46	69	57	52	57	52	57	47	47	52	55	58	52	55	56	55	54	56	55	53	52	50	46	46	47	49	49	45		
					2	72.0	36	40	46	47	70	58	53	55	49	47	48	53	57	54	49	53	54	56	56	57	57	56	53	51	49	46	43	46	45	45	39	39	
					3	74.3	39	44	44	51	72	63	52	63	56	52	47	53	58	56	53	53	57	54	58	55	55	55	54	53	48	47	46	47	47	46	44	44	
					4	74.7	38	36	41	48	73	66	53	59	53	52	50	52	55	57	57	49	56	57	62	54	54	55	54	51	49	48	46	46	47	47	47	42	42
				12	1	69.8	35	45	41	47	67	56	54	57	51	59	54	49	43	41	52	55	57	52	55	54	51	52	51	48	47	43	41	41	40	39	34	34	
					2	71.3	39	40	51	47	70	55	54	55	49	53	48	40	46	51	53	51	50	55	53	54	54	54	51	49	47	43	41	41	42	42	36	36	
					3	72.7	36	37	46	52	70	62	54	62	54	59	54	46	47	53	56	56	51	55	57	54	52	53	50	48	46	44	40	41	40	37	36	36	
					4	72.8	44	35	43	52	71	63	55	57	53	59	55	48	44	48	57	56	52	51	59	52	54	53	49	47	44	41	42	39	39	35	35	35	
				13	1	84.5	40	43	52	63	84	64	57	59	54	66	68	67	63	66	63	65	62	65	65	63	62	61	59	57	54	52	51	50	50	51	48	48	
					2	81.6	44	44	50	60	81	60	53	53	50	62	61	54	59	56	58	60	60	59	58	58	57	56	53	49	48	47	46	45	45	46	43	43	
					3	82.9	43	40	53	60	82	67	52	57	54	65	64	57	56	62	57	60	59	60	62	60	60	60	59	55	52	51	49	48	49	50	46	46	
					4	83.6	40	44	50	58	83	68	54	54	54	66	66	63	55	61	57	59	59	60	64	62	62	59	56	53	51	50	49	49	48	48	48	48	
		70	40	1	1	80.0	47	39	49	62	79	61	59	61	50	57	65	62	58	55	60	58	59	59	58	57	56	56	57	55	52	51	49	47	48	49	48		
					2	82.3	52	47	55	65	80	67	54	59	60	68	67	66	60	68	62	65	66	65	64	65	63	64	63	62	59	57	53	52	53	57	56		
					3	81.4	47	40	51	61	81	63	57	63	54	62	64	63	58	59	61	62	61	62	61	62	60	60	58	57	53	52	51	48	47	50	47		
					4	79.7	46	40	48	59	79	61	58	58	49	59	61	63	58	58	60	60	59	59	59	59	57	56	57	55	53	51	50	48	48	50	45	45	
					5	77.5	51	41	49	59	76	60	55	52	52	60	63	55	60	58	59	59	59	59	59	57	58	56	58	55	52	49	48	45	46	46	44		
					6	79.7	49	41	48	61	79	60	58	63	50	59	65	62	59	56	60	58	59	60	59	58	57	57	56	55	50	49	46	45	44	47	44	44	
				2	1	81.4	52	46	50	59	80	66	58	57	58	67	69	63	61	65	61	62	63	63	63	63	63	61	62	60	56	55	56	53	51	53	47		
					2	82.5	52	44	52	63	82	66	57	61	50	58	66	63	61	60	60	61	61	62	61	61	61	61	61	57	54	53	52	49	47	48	45	45	
					3	80.5	49	48	53	62	79	66	57	55	53	63	64	63	60	62	61	63	61	63	61	60	60	61	61	60	57	54	52	50	50	50	46	46	
					4	80.9	48	42	51	60	80	64	59	58	56	64	66	65	60	62	61	61	62	61	62	61	64	60	60	58	60	58	53	54	50	49	48	47	44
					5	78.5	46	46	50	59	77	62	56	52	49	59	64	63	55	59	57	57	59	59	60	56	57	56	56	54	51	50	47	46	44	44	42	42	
					6	79.2	49	44	56	58	78	62	56	58	51	60	67	64	56	63	58	61	61	61	61	61	61	61	60	58	59	57	54	51	49	48	46	47	43
				3	1	82.4	53	48	53	64	81	66	57	56	58	65	70	64	58	64	60	63	62	62	63	63	60	62	59	61	59	55	53	56	51	50	50	50	
					2	84.3	54	52	56	64	83	70	59	61	59	68	69	70	62	67	66	67	66	67	64	65	65	64	63	60	57	55	53	52	52	52	52	52	
					3	81.6	49	41	52	61	80	64	59	55	57	63	66	65	59	64	61	62	62	62	62	61	62	61	60	59	54	52	52	50	49	49	48	48	
					4	81.3	50	41	51	61	81	64	58	58	52	56	65	63	58	61	59	58	60	59	59	57	59	58	56	53	50	48	46	46	47	44	44	44	
					5	79.9	48	43	50	60	79	65	55	54	51	63	67	63	58	60	60	59	58	59	60	59	58	58	57	55	51	49	47	44	44	45	44	44	
					6	79.8	49	45	54	58	79	63	57	54	53	62	66	63	60	63	60	62	61	59	59	60	58	59	59	58	54	49	50	47	46	47	45	45	
				4	1	87.0	52	53	54	63	84	75	66	67	59	69	72	75	74	69	73	73	73	73	73	70	70	67	67	64	62	59	57	55	54	54	55		
					2	82.9	47	50	51	62	82	67	63	63	55	57	65	66	69	63	61	67	63	66	65	62	62	61	59										

TABLE XIX.- SUMMARY OF ONE-THIRD OCTAVE BAND SOUND PRESSURE LEVELS FOR THE MODIFIED OH-6A HELICOPTER (CONFIGURATION E)
AS MEASURED ON TRACK AND Laterally FOR Various FLIGHT CONDITIONS, ALTITUDES, AND FORWARD SPEEDS - Continued

Date	Flight condition	Altitude, meters	Airspeed, knots	Microphone position	Flight	One-third octave band sound pressure levels, dB, for frequencies, Hz, of -																																
						Overall	10	12	16	20	25	32	40	50	63	80	100	125	160	200	250	320	400	500	630	800	1000	1250	1600	2000	2500	3200	4000	5000	6300	8000	10 000	
3-10-71	Level (726 kg)*	30	70	6	1	73.4	40	39	43	52	68	59	58	56	58	64	60	52	49	57	61	64	61	55	60	57	59	56	53	50	49	45	43	40	36	34	37	
					2	72.8	36	41	42	49	68	60	54	56	55	65	62	54	47	49	56	62	61	56	56	60	55	54	52	49	48	46	42	38	36	35	35	
					3	72.8	35	41	49	50	69	58	56	57	55	62	54	51	52	56	59	63	60	53	60	56	59	54	52	50	48	45	41	38	35	34	36	
					4	73.1	38	44	45	49	68	60	54	57	56	63	60	48	51	56	62	64	60	56	60	59	59	55	53	50	47	45	43	37	33	32	35	
					5	74.1	38	43	45	47	71	62	54	59	55	60	56	53	57	60	60	60	58	62	58	58	57	53	54	51	49	45	41	34	33	33	36	
					6	73.6	36	44	46	50	70	62	54	57	54	62	60	47	52	57	61	62	56	60	59	60	58	56	53	50	47	44	41	38	36	33	36	
				7	1	82.9	52	43	53	63	82	66	60	62	55	60	67	67	61	60	62	62	61	63	63	61	60	59	61	59	55	54	52	50	49	50	48	
					2	82.8	53	49	54	63	81	67	57	58	59	64	70	67	59	65	62	65	62	64	64	61	61	59	60	60	57	57	55	53	52	52	51	
					3	80.0	49	41	49	61	79	66	55	59	48	59	66	62	59	57	60	59	60	59	56	57	57	54	52	51	49	48	48	47	45			
					4	80.6	49	47	51	59	80	63	58	61	50	57	65	65	58	60	61	61	59	61	61	57	57	57	58	56	51	50	49	46	47	47		
					5	77.2	48	36	49	58	76	59	52	56	48	59	62	60	56	57	56	57	58	56	57	54	54	53	53	54	49	47	48	44	43	43		
					6	79.9	48	46	51	60	79	61	55	58	48	59	66	65	57	61	60	61	61	60	61	59	59	58	58	58	53	51	52	48	47	48	46	
				8	1	80.1	47	41	48	59	79	64	57	56	56	63	66	64	59	64	61	63	63	61	61	59	58	61	58	56	54	53	51	50	51	45		
					2	82.1	48	42	49	66	81	66	60	57	56	66	68	68	58	65	60	61	62	63	62	60	62	61	61	61	58	54	53	52	51	52	46	
					3	80.7	49	42	48	62	79	64	56	55	55	64	67	65	59	64	62	63	63	63	61	60	59	61	58	55	53	52	51	50	51	45		
					4	79.3	48	43	54	59	78	61	57	57	49	62	65	65	57	62	59	62	61	61	59	57	57	57	56	54	51	52	49	48	48	43		
					5	76.7	42	36	49	55	75	62	56	50	55	64	62	59	58	63	60	61	59	59	60	57	57	56	57	56	53	52	49	48	47	47	42	
					6	79.2	45	38	48	58	78	62	50	55	54	61	67	62	59	62	58	61	61	61	60	61	58	61	60	55	53	51	49	47	49	43		
				9	1	77.0	37	34	44	51	72	61	55	55	56	64	65	64	61	65	62	63	64	64	65	62	62	61	61	61	58	57	54	51	49	50	49	
					2	77.8	39	35	44	54	72	59	52	51	56	63	66	65	60	66	63	65	65	65	65	64	65	63	61	61	58	56	54	52	50	50	50	
					3	77.8	37	33	43	51	70	58	51	60	57	66	70	65	63	65	64	66	66	65	64	63	62	61	63	61	58	56	55	52	50	52	52	
					4	76.8	36	37	43	48	67	61	55	58	57	66	69	66	62	67	63	65	64	62	63	62	61	61	61	60	58	55	54	52	49	51	50	
					5	74.0	38	35	37	51	69	52	51	48	48	62	62	61	56	61	59	61	61	60	61	60	59	58	57	57	53	52	50	46	44	44	44	
					6	75.9	33	32	35	43	65	66	51	54	53	64	67	67	61	62	63	64	62	61	60	61	59	59	60	61	59	57	56	50	49	49	47	
				10	1	80.4	44	47	51	57	76	69	58	61	54	62	66	70	70	63	67	67	65	65	67	63	62	60	59	57	57	54	54	53	52	51		
					2	81.4	47	50	49	52	78	72	63	65	60	56	63	68	70	64	62	67	63	67	68	64	63	62	61	60	59	54	53	53	54	54	51	
					3	79.8	47	45	52	55	76	68	58	61	55	63	67	68	69	60	66	65	66	65	65	62	62	62	59	59	56	54	51	52	52	50	50	
					4	77.9	47	47	48	56	76	68	59	62	53	63	67	70	69	62	67	63	66	65	65	63	64	61	60	59	57	54	53	52	50	47	47	45
					5	77.9	38	42	47	56	74	70	57	57	52	63	66	66	61	61	65	61	63	62	64	61	59	58	57	54	54	52	50	49	47	47	45	
					6	80.4	41	46	47	55	76	75	56	59	56	62	67	68	66	59	66	62	66	64	65	64	62	61	60	58	57	54	51	51	50	48	46	
				11	1	75.3	38	39	41	47	71	67	59	59	53	59	57	52	63	63	64	59	59	60	59	58	58	57	55	52	51	50	48	46	49	50	46	
					2	75.3	35	36	45	52	72	66	57	60	56	61	59	46	56	59	60	55	61	56	58	57	56	53	52	51	49	48	46	47	46			
					3	75.2	38	39	46	51	71	67	58	60	56	57	55	56	62	63	63	57	60	59	59	58	58	57	56	53	52	49	49	48	48	46		
					4	75.4	38	44	46	52	72	64	56	61	54	57	52	55	65	62	60	55	63	59	60	57	58	56	55	55	54	51	49	48	48	49	45	
					5	75.5	38	41	46	55	72	64	56	58	54	49	55	59	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	
					6	76.7	35	38	40	48	73	67	54	59	54	54	51	56	67	66	61	57	63	58	60	59	58	56	54	53	52	48	47	47	48	45		
				12	1	73.7	41	40	38	48	69	64	59	55	54	62	61	57	50	52	62	61	55	58	57	58	55	54	51	47	46	44	40	39	37			
					2	73.3	39	41	47	50	69	62	56	60	57	62	61	57	52	48	55	59	61	58	53	58	54	56	53	52	49	46	45	42	41	39	38	
					3	73.8	39	46	44	52	69	65	59	60	56	62	62	56	46	51	59	62	60	54	60	54	58	56	54	50	49	48	44	42	37	38	36	
					4	74.3	32	42	44	49	70	66	56	59	55	60	62	54	52	56	63	64	62	55	60	55	58	55	52	51	49	46	44	42	39	38	36	
					5	74.5	38	39	45	52	71	64	56	56	57	60	55	48	62	62	64	61	56	61	55	58	57	55	53	50	48	46	44	42	39	39	36	
					6	74.7	40	38	46	50	71	65	57	57	56	59	58	49	55	5																		

TABLE XIX. - SUMMARY OF ONE-THIRD OCTAVE BAND SOUND PRESSURE LEVELS FOR THE MODIFIED OH-6A HELICOPTER (CONFIGURATION E)
AS MEASURED ON TRACK AND Laterally for Various Flight Conditions, Altitudes, and Forward Speeds - Continued

Date	Flight condition	Altitude, meters	Airspeed, knots	Microphone position	Flight	One-third octave band sound pressure levels, dB, for frequencies, Hz, of -																																
						Overall	10	12	16	20	25	32	40	50	63	80	100	125	160	200	250	320	400	500	630	800	1000	1250	1600	2000	2500	3200	4000	5000	6300	8000	10000	
3-12-71	Level (907 kg)*	30	70	1	1	85.0	55	48	61	70	83	68	61	57	57	67	72	70	65	69	70	70	69	67	66	65	63	63	63	61	58	54	52	51	50	49	48	
					2	83.3	50	49	45	64	80	73	58	62	63	67	73	67	69	71	66	69	68	67	66	65	63	63	64	60	59	56	53	52	51	53	51	
					3	83.1	47	46	47	64	79	74	55	65	64	73	72	68	66	71	66	68	67	65	65	63	64	63	63	59	57	54	53	53	53	53	51	
					4	83.8	52	58	59	68	82	72	57	62	57	69	66	69	65	68	67	66	69	66	63	63	63	64	63	61	56	55	51	50	49	49	48	
					5	83.9	52	53	54	67	80	71	58	63	64	72	70	68	67	73	68	72	70	68	68	67	65	65	63	60	56	54	53	52	55	53		
					6	83.5	52	46	45	66	82	71	60	53	55	66	67	64	62	67	63	63	63	64	65	60	60	61	62	59	58	54	54	50	51	53	51	
					7	83.6	53	50	58	68	80	70	57	61	61	74	70	71	67	70	66	68	68	69	67	65	65	64	63	60	59	56	53	52	49	52	49	
				2	1	85.3	54	55	66	74	78	77	58	56	62	73	75	71	69	74	69	73	72	71	70	68	67	66	65	62	63	60	57	56	56	54	50	
					2	84.0	50	53	55	68	77	70	60	62	64	73	75	69	70	75	69	73	70	69	69	66	65	65	62	59	58	53	52	51	50	47		
					3	83.5	52	44	51	66	82	68	58	58	58	68	69	67	64	68	67	67	66	65	66	63	61	61	60	55	54	51	49	46	47			
					4	82.1	56	54	51	57	81	71	61	59	59	61	66	66	62	65	61	64	62	62	63	60	61	63	62	60	55	53	50	47	48	46		
					5	85.5	51	47	53	69	82	70	59	59	61	69	73	73	68	72	72	72	71	72	71	69	68	67	67	63	59	58	55	53	52	50	47	
					6	81.4	50	45	50	62	80	66	54	55	57	66	63	65	59	64	62	64	62	61	62	60	58	58	60	59	53	55	52	50	48	46		
					7	82.5	60	59	55	67	81	70	59	58	57	64	69	66	62	66	64	66	65	66	65	65	64	63	62	60	57	54	52	50	48	48	47	
				3	1	83.5	58	51	62	72	82	69	59	58	58	68	67	68	63	68	65	64	66	65	65	63	62	61	64	61	57	54	55	51	49	48	49	
					2	83.2	56	57	57	69	81	69	60	61	56	69	70	67	66	67	65	64	62	62	63	60	60	55	53	53	48	47	47	47	45			
					3	84.4	49	52	52	64	82	74	56	60	62	73	73	68	65	70	65	67	66	67	65	62	64	62	62	60	56	55	54	51	50	51	50	
					4	84.3	56	56	56	65	82	73	58	60	56	68	69	70	68	66	67	68	67	63	64	63	63	59	55	53	51	49	48	48	49			
					5	88.9	57	61	65	66	73	74	61	64	65	73	75	77	77	79	77	76	74	72	68	66	64	62	60	57	56	54	53	52	50			
					6	84.4	47	50	55	67	82	72	60	62	63	75	72	67	64	62	64	62	61	62	60	58	58	60	59	53	54	51	49	49	51	48		
					7	83.9	53	52	57	66	81	70	62	63	58	70	71	73	64	69	67	69	67	68	67	66	66	64	64	61	57	55	53	49	48	49	48	
				4	1	82.1	50	47	53	67	76	70	63	64	59	62	67	71	74	72	69	67	67	67	66	67	65	64	63	60	58	56	55	54	53	48		
					2	82.3	53	53	54	62	77	76	61	59	58	66	70	71	68	64	70	67	68	65	65	64	64	65	63	62	61	59	58	54	54	54	50	
					3	80.8	45	49	47	56	74	74	59	58	54	66	70	72	69	60	69	63	65	64	64	65	63	62	61	58	57	56	52	52	52	50		
					4	84.2	70	62	63	66	76	80	63	62	64	63	70	72	68	67	70	68	69	67	68	66	65	66	62	61	58	57	56	52	52	52	50	
					5	81.6	47	49	48	63	78	70	60	61	57	60	65	71	71	65	70	66	66	65	65	65	64	64	62	60	57	55	54	53	53	52	50	
					6	81.5	46	47	51	59	75	73	61	62	59	66	69	71	69	63	62	66	69	67	67	65	66	65	62	60	58	57	55	53	53	54	50	
					7	82.3	50	53	50	57	69	79	66	64	63	56	60	65	70	77	62	66	63	65	62	62	62	59	58	56	58	55	53	52	49	45		
				5	1	78.7	41	45	46	61	74	67	62	63	61	63	59	53	70	66	67	63	60	66	62	64	62	62	61	57	55	54	51	48	47	47	45	
					2	79.6	42	43	50	59	74	71	58	62	60	59	54	63	69	70	63	63	68	63	65	62	64	64	62	61	57	53	49	48	49	48	45	
					3	79.4	43	45	47	56	76	69	56	58	62	59	55	59	67	66	63	63	67	64	63	62	62	60	58	56	54	50	49	49	50	47		
					4	81.5	69	62	63	62	75	77	58	62	62	59	58	60	67	68	65	61	67	62	67	64	63	65	62	60	58	56	51	51	50	48	44	
					5	78.5	46	48	46	54	74	70	59	60	56	58	58	56	66	68	67	61	63	64	65	62	61	59	59	56	54	52	51	48	49	48	46	
					6	79.6	46	49	45	60	76	67	59	65	58	62	57	60	69	68	66	61	68	64	66	63	62	63	61	59	56	54	50	47	48	47	45	
					7	79.9	44	46	53	55	74	73	60	67	65	55	58	64	69	70	66	61	66	63	63	64	64	63	60	58	56	54	51	49	50	50	47	
				6	1	75.1	43	48	50	52	70	66	57	61	59	66	64	54	56	53	62	62	58	56	59	56	57	56	53	52	50	46	44	40	40	38		
					2	75.8	45	46	51	58	71	67	57	62	58	64	62	50	57	61	62	63	59	60	61	59	58	58	56	54	52	50	45	43	39	36	36	
					3	75.8	46	46	44	51	72	68	56	59	59	62	59	50	57	62	64	62	55	60	57	58	58	56	53	53	51	46	44	43	39	37	36	
					4	78.1	62	60	57	61	74	72	61	66	61	63	64	54	54	59	63	62	60	57	62	58	58	60	53	53	49	46	42	41	38	38		
					5	74.9	40	49	47	53	71	66	58	61	58	64	61	51	51	57	64	62	60	54	60	57	57	54	54	52	52	48	46	44	41	40	37	
					6	76.1	44	41	49	52	71	65	58	64	58	67	63	51	57	61	65	64	58	59	62	58	59	58	56	54	52	48	46	41	41	40	37	
					7	76.6	42	49	51	53	71	69	59	65	63	62	64	52	56	63	64	65	57	60	60	60	59	58	56	53								

TABLE XIX.- SUMMARY OF ONE-THIRD OCTAVE BAND SOUND PRESSURE LEVELS FOR THE MODIFIED OH-6A HELICOPTER (CONFIGURATION E)
AS MEASURED ON TRACK AND Laterally FOR VARIOUS FLIGHT CONDITIONS, ALTITUDES, AND FORWARD SPEEDS - Continued

Date	Flight condition	Altitude, meters	Airspeed, knots	Microphone position	Flight	One-third octave band sound pressure levels, dB, for frequencies, Hz, of -																															
						Overall	10	12	16	20	25	32	40	50	63	80	100	125	160	200	250	320	400	500	630	800	1000	1250	1600	2000	2500	3200	4000	5000	6300	8000	10000
3-12-71	Level (907 kg)*	30	70	8	1	83.8	50	48	56	66	79	71	57	60	61	74	75	71	66	71	68	69	69	67	65	65	64	63	64	64	57	55	53	52	51	50	47
					2	80.9	45	43	46	64	78	65	57	56	53	62	71	66	61	63	64	67	66	65	66	62	63	60	61	59	53	52	49	47	45	46	40
					3	77.9	43	45	48	59	75	65	55	52	53	61	67	64	59	61	60	52	63	61	62	61	60	60	60	58	52	52	47	46	47	46	41
					4	81.4	50	50	51	62	79	71	58	58	54	64	65	66	64	65	62	64	65	65	65	63	62	62	61	60	54	53	50	48	47	46	40
					5	82.6	38	43	50	59	70	65	56	58	59	72	75	70	68	75	70	73	70	70	68	66	64	62	61	60	37	34	31	30	31	49	44
					6	82.9	45	41	48	62	79	69	55	57	59	72	71	68	65	73	68	72	69	69	66	64	62	62	62	59	54	51	50	48	48	43	
					7	79.5	47	44	47	63	77	67	56	58	57	67	64	65	63	66	61	65	63	62	65	61	61	61	61	61	59	54	52	50	47	47	45
				9	1	78.3	37	32	41	56	75	58	51	57	53	61	67	69	61	66	65	65	65	63	62	62	59	57	56	53	49	48	47	43	43	43	
					2	79.3	38	38	44	57	70	63	47	63	63	66	69	66	68	71	65	67	68	67	67	62	62	62	63	60	57	55	52	50	50	49	48
					3	78.6	41	43	43	57	67	63	53	58	59	67	65	64	65	71	65	68	68	65	64	63	62	62	61	57	55	52	51	49	49	48	
					4	78.4	40	40	46	56	75	65	52	53	52	62	65	65	62	66	62	64	64	63	62	62	61	62	60	59	55	53	50	49	45	47	46
					5	77.5	32	30	37	54	73	58	48	55	51	57	67	64	67	61	64	63	68	63	62	60	61	58	59	56	53	49	46	46	43	44	45
					6	81.7	33	33	36	45	59	69	52	58	63	56	61	68	76	73	70	72	68	72	69	65	64	58	57	59	56	54	52	47	45	43	42
					7	82.9	34	36	43	57	68	62	50	51	63	77	70	68	74	71	71	71	72	68	72	69	65	64	58	57	59	56	54	52	47	45	49
				10	1	84.7	51	49	52	56	81	75	62	66	60	61	67	69	76	73	68	68	67	69	67	64	64	64	62	59	57	55	53	51	50	51	49
					2	83.7	38	44	51	60	82	71	61	66	58	64	69	69	69	63	66	65	68	66	65	65	63	62	60	57	56	53	51	50	47	51	44
					3	83.3	47	47	47	59	81	75	58	65	61	64	69	70	66	60	68	64	68	67	67	64	63	63	60	59	56	52	50	49	47	47	45
					4	85.6	66	64	69	70	82	80	62	65	59	60	67	68	66	63	67	65	69	68	67	63	63	65	63	59	56	55	52	50	48	48	47
					5	83.3	49	50	47	59	80	76	61	64	59	61	67	69	69	65	66	68	67	68	66	64	64	60	59	58	54	51	50	48	47	48	48
					6	84.6	49	48	52	62	83	73	61	61	54	60	62	71	69	66	70	66	68	67	66	63	64	63	61	59	56	52	51	50	49	48	48
					7	81.9	57	57	60	58	78	73	61	62	56	62	67	68	69	64	68	64	69	67	67	65	65	63	59	59	56	54	52	49	46	47	46
				11	1	79.6	43	44	50	56	74	68	59	64	63	63	63	52	69	73	68	63	61	66	62	64	62	61	59	57	54	53	48	46	47	45	45
					2	79.6	50	50	48	53	73	71	62	64	62	60	59	59	69	72	66	61	68	63	65	64	63	62	59	57	55	52	51	47	46	44	42
					3	80.3	37	39	46	52	77	71	60	67	64	55	55	62	67	70	64	60	68	64	65	64	62	61	59	56	55	52	50	47	46	45	42
					4	82.2	64	59	70	70	78	76	58	65	64	57	54	59	63	69	65	60	68	64	63	64	63	63	60	58	54	52	52	48	47	45	44
					5	79.9	50	54	51	57	76	71	57	64	60	59	56	57	68	70	66	60	67	64	64	63	62	59	58	56	54	51	50	48	46	46	44
					6	80.1	46	42	51	55	78	70	60	61	55	59	52	55	69	69	65	68	66	64	64	62	61	60	58	56	54	52	50	47	48	46	45
					7	79.9	48	53	55	57	74	72	56	67	66	59	59	59	68	71	67	60	67	65	65	64	64	61	60	57	54	52	48	47	43	44	
				12	1	74.1	33	38	44	43	68	62	59	62	57	63	63	57	54	51	59	62	64	60	56	62	57	58	55	52	50	48	44	42	37	36	
					2	75.2	39	40	42	50	69	66	57	62	60	61	62	54	54	60	64	65	62	60	63	59	61	59	55	53	52	47	45	42	37	36	35
					3	75.9	35	44	43	48	72	66	57	63	58	61	60	53	57	61	63	63	58	61	61	61	59	58	56	53	50	48	43	39	38	36	37
					4	77.7	64	58	68	67	66	71	59	61	61	60	64	59	52	57	63	67	65	58	65	61	62	61	56	53	50	47	44	42	37	36	36
					5	75.8	42	53	50	55	72	67	57	60	57	61	62	55	51	55	62	64	63	55	62	58	59	56	55	52	49	48	45	40	38	37	35
					6	75.3	44	51	49	50	71	65	59	61	58	64	61	54	54	58	62	63	61	55	62	58	58	57	54	51	50	47	44	41	39	37	37
					7	75.7	43	49	53	52	70	63	58	63	58	62	61	53	50	59	65	66	62	61	63	59	61	59	55	51	48	44	41	36	36	36	
				13	1	86.4	56	55	57	70	84	74	61	62	64	73	76	71	67	72	66	71	71	70	68	64	65	64	62	60	56	54	52	55	51	51	
					2	83.5	50	50	56	69	79	71	60	59	63	67	70	68	66	74	70	72	70	69	68	67	66	65	63	62	59	54	51	50	50	52	47
					3	83.2	49	52	50	63	82	70	57	54	61	66	69	67	61	67	62	67	65	67	65	63	63	60	62	59	55	52	50	49	48	50	48
					4	82.9	69	66	69	70	80	71	60	60	57	62	69	67	66	67	62	64	63	63	65	61	62	61	60	59	56	51	51	50	49	51	48
					5	82.8	54	57	56	69	81	68	57	55	56	65	69	66	64	68	64	67	66	67	64	66	64	62	62	61	56	53	52	50	51	53	51
					6	85.5	49	49	53	67	83	69	62	59	59	76	76	71	65	73	67	69	70	68	67	67	66	62	63	60	55	52	50	48	48	49	48
					7	81.8	50	53	54	64	80	67	58	63	54	62	66	66	61	63	64	65	66</														

TABLE XIX. - SUMMARY OF ONE-THIRD OCTAVE BAND SOUND PRESSURE LEVELS FOR THE MODIFIED OH-6A HELICOPTER (CONFIGURATION E)
AS MEASURED ON TRACK AND Laterally for various flight conditions, altitudes, and forward speeds - Continued

Date	Flight condition	Altitude, meters	Airspeed, knots	Microphone position	Flight	One-third octave band sound pressure levels, dB, for frequencies, Hz, of -																																
						Overall	10	12	16	20	25	32	40	50	63	80	100	125	160	200	250	320	400	500	630	800	1000	1250	1600	2000	2500	3200	4000	5000	6300	8000	10 000	
3-12-71	Level (1098 kg)*	30	70	4	1	84.2	39	44	46	51	66	83	63	56	58	59	66	67	60	63	67	63	65	65	66	68	63	62	61	60	59	57	53	50	48	51	47	
					2	86.3	34	45	51	51	66	85	66	61	56	63	71	73	68	62	70	66	69	68	69	68	65	65	61	61	58	53	53	50	51	47		
					3	85.1	41	43	45	57	71	84	63	59	56	63	68	70	65	62	68	63	66	66	65	66	64	64	61	60	59	54	52	50	50	51	48	
					4	85.4	36	42	51	56	70	84	64	59	54	62	67	68	68	60	68	65	67	66	67	66	66	64	62	61	59	57	55	52	50	51	49	
					5	85.7	40	44	49	57	67	84	65	60	54	59	70	72	68	62	70	68	70	68	68	66	66	64	64	62	61	57	54	52	51	52	47	
				5	1	81.3	39	42	50	54	63	80	59	60	61	49	58	66	66	64	59	67	63	67	64	63	62	63	60	57	56	54	51	47	45	43	42	
					2	82.8	38	45	49	50	64	81	62	62	61	57	58	64	67	69	62	65	71	66	65	66	67	64	64	58	55	53	48	46	47	43		
					3	81.5	37	44	48	55	64	79	61	58	62	51	54	62	65	68	62	65	70	68	64	65	66	63	60	50	57	53	50	47	46	43		
					4	81.1	37	40	45	53	64	79	59	61	66	53	55	62	67	66	62	64	68	65	63	65	65	63	60	58	57	54	51	47	46	44		
					5	81.6	34	39	46	53	61	79	62	61	61	55	54	62	67	68	65	64	70	66	66	67	65	65	62	60	57	54	50	48	46	45	43	
				6	1	77.9	40	37	45	50	56	76	59	59	61	55	53	57	56	64	65	59	64	64	62	61	61	59	56	55	52	50	46	42	39	37	37	
					2	78.6	33	48	46	48	60	76	60	61	63	59	60	54	57	64	64	64	60	65	62	61	58	56	54	50	46	42	39	37	39			
					3	77.7	33	45	44	53	60	75	58	59	62	54	59	51	56	63	65	65	59	67	62	62	61	59	57	55	53	50	46	42	39	35	37	
					4	77.4	32	40	41	51	59	75	57	61	66	54	60	52	56	63	64	64	59	64	61	63	61	58	56	54	52	49	45	42	38	35	34	
					5	77.7	38	40	46	53	61	76	57	59	59	55	57	50	53	60	64	65	58	65	60	64	60	59	58	54	52	49	47	42	37	37	34	
				7	1	83.3	40	45	48	55	68	82	60	56	70	66	68	64	57	63	61	62	62	61	63	62	62	65	65	63	59	56	54	52	51	50	49	
					2	85.5	40	48	46	55	69	83	64	58	71	72	76	70	64	72	68	69	67	68	67	67	66	67	67	65	61	58	55	53	53	53	53	
					3	84.9	37	50	52	56	72	82	58	59	69	73	73	71	62	68	67	68	69	67	67	63	65	65	66	64	60	57	56	53	51	52	50	
					4	83.6	43	47	47	55	75	82	56	51	58	64	65	64	61	59	61	63	63	63	62	63	60	63	62	59	56	54	50	48	47	46	47	
					5	84.9	42	50	45	54	74	83	58	56	64	69	69	69	67	66	64	65	66	65	64	65	63	62	63	58	56	54	52	50	50	50	48	
				8	1	83.2	39	45	42	48	64	81	61	57	72	64	68	65	61	69	66	66	67	66	63	63	65	64	64	64	65	66	61	57	54	52	50	47
					2	84.3	36	43	47	49	68	82	61	57	71	70	74	68	63	69	66	69	68	66	67	65	64	64	66	65	62	57	55	52	53	50	46	
					3	84.4	37	44	44	53	75	82	59	54	60	72	71	72	66	65	66	65	67	65	65	63	64	62	60	55	54	50	50	50	45			
					4	83.9	38	44	46	53	73	82	58	55	64	65	67	65	62	65	64	65	64	65	65	64	64	63	64	63	60	55	54	51	51	52	47	
					5	84.2	38	50	45	54	74	82	58	57	65	70	70	70	67	66	63	65	65	64	64	64	63	63	64	65	61	56	54	52	51	50	44	
				9	1	79.4	34	37	36	40	58	74	53	52	71	64	65	61	61	69	66	66	67	66	63	63	62	63	63	62	59	59	55	51	51	50	49	
					2	81.0	31	38	33	44	54	71	55	54	73	66	75	68	64	69	65	68	70	68	64	65	64	64	65	64	61	58	56	54	51	51	50	
					3	81.9	31	35	35	46	57	71	53	57	73	69	76	66	62	69	69	69	71	69	66	66	65	65	63	62	59	56	52	50	51	51		
					4	80.8	31	37	36	42	57	73	55	55	72	65	70	64	64	72	68	68	67	68	66	66	67	65	64	64	62	60	56	53	51	51	51	
					5	80.4	31	37	38	47	61	74	53	55	71	65	72	63	62	68	66	68	67	66	64	65	64	65	65	64	61	59	55	53	51	51	50	
				10	1	82.4	39	40	41	51	61	80	65	55	59	60	73	68	66	61	68	63	65	64	66	65	64	63	62	63	59	58	55	51	51	49	48	
					2	85.3	41	53	44	51	63	83	68	55	60	61	74	75	73	64	70	68	69	69	68	66	67	65	65	65	62	59	56	53	51	52	52	
					3	84.1	36	45	44	54	65	82	63	56	62	73	72	69	62	70	65	69	69	67	66	65	65	64	63	61	57	55	53	52	52	51		
					4	83.8	37	48	40	51	62	82	64	57	53	59	71	72	71	63	68	68	67	68	66	66	66	65	64	63	60	57	55	53	51	52	51	
					5	84.2	40	49	45	51	66	82	63	55	54	60	72	74	70	63	67	69	68	68	66	67	66	65	65	63	62	57	55	54	52	52	52	
				11	1	82.4	37	39	45	50	60	81	66	55	62	51	62	65	68	66	59	66	62	65	65	63	63	61	61	59	57	55	54	49	48	49	48	
					2	83.4	35	51	48	48	62	82	66	61	66	57	58	65	70	70	65	62	68	64	66	65	64	63	63	62	60	56	55	51	50	50	49	
					3	81.9	36	40	42	52	62	80	64	57	65	55	54	61	70	68	63	62	69	65	65	66	62	63	62	61	58	57	54	51	52	51		
					4	81.7	37	45	38	49	61	80	63	58	64	55	53	60	67	68	64	61	66	62	64	64	63	63	62	61	58	55	53	51	50	51	49	
					5	82.8	36	40	49	51	64	81	62	59	63	56	55	62	67	68	64	64	68	63	65	66	62	63	62	61	57	57	54	50	50	48		
				12	1	80.1	40	39	43	49	58	79	62	51	60	54	58	51	59	64	66	63	59	64	59	61	60	57	57	56	55	49	47	44	41	42	42	
					2	80.2	33	47	43	50	60	78	63	60	63	58	64	58	54	63	66	68	61	62	64</													

TABLE XIX.- SUMMARY OF ONE-THIRD OCTAVE BAND SOUND PRESSURE LEVELS FOR THE MODIFIED OH-6A HELICOPTER (CONFIGURATION E)
AS MEASURED ON TRACK AND Laterally FOR VARIOUS FLIGHT CONDITIONS, ALTITUDES, AND FORWARD SPEEDS - Continued

Date	Flight condition	Altitude, meters	Airspeed, knots	Microphone position	Flight	One-third octave band sound pressure levels, dB, for frequencies, Hz, of -																															
						Overall	10	12	16	20	25	32	40	50	63	80	100	125	160	200	250	320	400	500	630	800	1000	1250	1600	2000	2500	3200	4000	5000	6300	8000	10000
3-12-71	Level (1098 kg)*	30	70	1	1	86.1	38	46	57	55	61	71	83	80	66	78	72	74	61	68	63	66	65	65	65	67	68	68	71	69	66	62	57	53	55	56	53
					2	87.0	40	45	54	57	62	74	85	80	63	75	73	74	64	67	65	65	64	68	66	66	68	68	70	69	64	61	58	53	52	54	52
					3	85.7	41	42	45	52	55	59	83	75	54	67	62	78	73	68	63	68	67	69	65	63	62	62	64	62	65	62	60	56	55	51	47
					4	86.6	40	40	44	47	56	58	84	77	59	69	64	78	75	70	65	67	67	66	66	65	62	62	63	62	64	61	60	56	56	51	49
					5	86.4	43	44	47	47	55	60	83	76	57	72	68	78	73	67	67	65	66	64	63	63	64	64	64	64	65	63	62	57	54	54	59
					6	86.3	38	45	53	51	57	72	84	60	66	78	71	73	63	67	64	68	64	64	66	67	68	70	71	70	66	61	58	55	55	56	52
				2	1	86.2	39	48	58	57	62	74	84	60	65	75	72	73	61	67	64	66	63	65	66	66	68	67	69	68	65	59	57	53	51	48	
					2	87.0	44	47	54	51	57	77	86	60	61	71	73	73	66	65	66	64	64	64	65	66	65	67	65	63	58	54	50	48	49	45	
					3	86.8	45	43	47	48	53	58	84	77	58	70	65	79	74	70	66	69	66	65	64	64	63	62	64	65	64	63	62	59	56	51	46
					4	87.4	42	46	52	51	59	59	84	76	57	76	71	79	75	70	70	68	68	66	65	65	65	67	67	67	67	64	60	56	53	48	
					5	86.7	42	47	52	52	56	60	82	71	60	79	70	79	71	72	70	68	69	69	68	68	69	68	70	69	68	67	64	62	58	55	51
					6	87.0	42	48	57	55	61	77	85	63	64	74	75	74	68	66	65	63	64	66	66	66	67	64	67	66	62	57	56	51	49	46	
				3	1	87.3	44	51	58	59	63	75	85	60	65	75	75	73	62	68	63	68	63	67	66	67	68	68	69	67	54	59	57	53	52	51	50
					2	87.6	45	48	58	55	62	72	85	61	66	80	72	74	63	71	68	69	68	69	70	70	71	71	71	70	65	62	59	56	53	50	
					3	87.0	42	45	50	50	56	58	84	75	56	71	66	80	73	67	67	69	71	69	67	65	66	65	67	67	64	63	59	56	52	50	
					4	87.1	46	45	47	50	57	59	84	79	60	66	63	77	76	73	66	70	68	66	66	66	64	61	63	65	64	63	59	56	54	51	50
					5	86.9	41	43	50	51	57	59	84	76	57	73	67	79	74	69	69	69	69	66	64	66	69	69	65	62	60	57	53	52			
					6	87.8	42	48	54	57	60	73	85	62	67	79	74	75	64	71	66	68	67	68	69	70	71	70	71	70	67	62	56	54	52	53	51
				4	1	85.8	35	42	53	55	59	66	84	67	54	67	63	73	70	64	70	70	71	70	69	70	69	67	67	65	64	60	57	55	53	50	
					2	85.7	39	42	48	56	56	67	83	64	55	68	64	74	71	64	71	68	71	71	69	70	69	67	67	67	66	62	59	56	54	53	48
					3	86.2	41	45	49	50	53	65	84	68	53	65	64	74	72	66	71	69	72	69	70	70	70	68	67	68	66	65	62	58	56	54	50
					4	86.9	38	41	53	53	59	66	84	67	56	67	65	77	70	62	75	68	72	71	70	72	69	68	69	67	66	64	61	59	54	54	51
					5	86.3	40	38	50	54	58	68	84	63	55	69	66	74	70	64	74	67	70	71	71	72	69	67	67	67	65	64	60	57	53	53	50
					6	86.5	41	44	49	49	56	66	84	65	58	69	65	74	69	67	74	69	72	70	71	71	69	68	69	67	66	63	59	56	54	53	50
				5	1	83.7	36	44	47	49	56	63	81	64	59	55	55	70	70	68	63	71	70	71	68	70	68	66	66	63	62	60	55	51	50	47	43
					2	83.1	39	35	44	51	54	64	80	62	57	58	52	67	70	68	65	70	72	68	68	70	70	67	66	64	62	59	55	52	49	48	45
					3	83.8	41	44	51	49	51	64	80	62	60	56	53	70	72	70	65	73	72	69	68	69	70	66	66	64	62	60	56	52	51	49	46
					4	83.7	36	40	49	53	55	62	81	63	59	56	54	72	69	68	67	69	72	70	70	70	70	66	65	64	63	60	57	53	50	49	47
					5	83.5	34	38	47	50	55	61	79	63	61	59	54	72	71	70	68	72	73	70	70	71	71	68	67	63	63	60	57	52	49	49	46
					6	83.3	32	41	45	51	54	64	81	62	60	58	55	68	71	69	63	70	69	69	70	70	69	67	66	62	61	59	56	51	49	47	45
				6	1	80.5	36	38	41	51	50	61	79	62	59	59	50	58	62	65	67	67	63	68	62	65	64	63	62	59	56	53	51	45	40	37	36
					2	79.7	38	41	48	48	49	62	78	61	58	58	52	54	57	61	65	65	62	66	63	65	64	62	60	56	54	49	45	39	36	38	
					3	80.1	37	45	44	52	53	61	78	60	59	62	51	58	61	66	67	66	62	67	63	66	65	61	61	58	56	55	50	45	42	38	39
					4	80.3	37	40	46	50	53	62	78	62	60	56	52	56	59	65	67	66	61	69	65	68	64	62	62	60	57	53	51	47	41	39	38
					5	80.6	38	38	47	50	53	63	79	61	59	55	54	54	59	65	69	67	62	68	64	66	64	62	62	59	56	54	52	46	41	38	38
					6	80.3	43	46	48	47	51	62	78	60	60	59	52	56	59	66	68	64	60	68	62	66	65	62	60	58	56	53	50	45	40	39	40
				7	1	87.0	38	47	59	58	60	75	85	61	65	75	73	74	62	68	65	66	62	65	65	67	67	68	68	69	66	60	57	54	52	51	51
					2	87.4	38	43	55	56	62	75	86	60	64	75	72	73	63	69	65	67	64	65	67	68	69	70	69	65	61	58	55	54	53	52	
					3	86.2	40	44	50	56	59	75	84	59	62	72	73	71	65	66	67	63	65	65	66	66	66	67	68	63	60	55	54	52	51	49	
					4	86.3	39	44	55	57	62	75	85	59	62	71	72	72	66	66	67	64	64	65	66	66	67	66	68	67	63	59	56	53	52	52	48
					5	86.4	38	42	44	50	60	61	83	74	57	74	70	78	72	67	70	68	70	68	69	69	67	66	68	68	67	69	66	61	59	55	53
					6	86.1	38	43	48	55	58	77	85	58	59	68	73	72	68	61																	

TABLE XIX.- SUMMARY OF ONE-THIRD OCTAVE BAND SOUND PRESSURE LEVELS FOR THE MODIFIED OH-6A HELICOPTER (CONFIGURATION E)
AS MEASURED ON TRACK AND Laterally for various flight conditions, altitudes, and forward speeds - Continued

Date	Flight condition	Altitude, meters	Airspeed, knots	Microphone position	Flight	One-third octave band sound pressure levels, dB, for frequencies, Hz, of -																															
						Overall	10	12	16	20	25	32	40	50	63	80	100	125	160	200	250	320	400	500	630	800	1000	1250	1600	2000	2500	3200	4000	5000	6300	8000	10000
3-12-71	Level (1098 kg)*	30	70	9	1	83.9	31	34	46	48	54	65	77	55	66	77	71	74	62	69	66	66	66	66	67	70	69	70	72	70	68	62	60	55	51	52	52
					2	85.1	41	40	42	41	49	56	76	62	60	77	68	79	69	71	68	73	72	70	68	70	70	70	68	69	70	69	67	62	57	55	55
					3	83.8	35	34	37	39	46	54	78	69	52	70	64	79	74	67	68	68	68	65	66	64	62	62	62	64	65	63	61	56	55	48	49
					4	83.1	35	35	38	42	48	53	78	71	52	70	64	76	75	69	67	67	67	64	63	64	62	61	60	63	64	62	58	52	50	48	
					5	83.3	35	34	44	43	52	64	77	54	64	75	70	72	64	70	67	68	67	67	68	68	70	70	71	70	68	64	60	55	54	52	51
					6	83.7	36	38	37	44	50	62	76	54	65	78	68	72	63	71	67	68	66	66	66	68	68	70	70	72	71	67	63	60	56	53	52
				10	1	87.0	39	45	51	48	60	67	85	66	58	74	64	76	70	66	71	68	70	67	69	69	70	69	69	69	66	64	60	57	52	51	
					2	87.6	35	42	55	54	58	68	85	66	58	75	67	77	73	68	71	69	71	71	70	71	70	71	70	70	67	64	61	56	54	53	50
					3	88.1	43	42	52	47	57	64	86	68	55	73	66	78	73	68	73	70	71	71	71	70	72	70	71	68	67	62	60	57	54	53	52
					4	88.2	40	42	47	49	59	67	86	66	56	71	67	80	72	65	74	68	73	71	71	72	72	70	70	69	67	62	61	58	53	54	51
					5	88.1	38	39	47	52	60	67	86	66	55	70	68	79	71	65	73	68	72	71	70	71	71	70	70	68	67	62	61	58	54	52	51
					6	87.7	38	46	47	53	58	67	85	67	59	74	67	79	72	66	70	67	71	72	69	70	72	70	71	69	67	66	61	58	54	52	51
				11	1	86.7	37	43	48	49	58	67	86	66	56	61	56	71	70	70	66	68	68	66	67	67	67	66	66	63	62	60	55	54	50	49	47
					2	86.9	33	38	51	46	52	66	86	67	57	62	52	69	71	70	66	66	68	68	68	68	68	68	68	65	64	62	60	55	51	50	48
					3	87.0	38	40	50	48	55	65	86	68	57	61	51	70	71	72	69	67	71	65	68	68	67	69	66	67	64	61	58	54	52	51	50
					4	86.6	39	40	47	47	53	65	85	67	57	59	55	73	69	71	68	66	70	67	69	69	67	67	66	64	61	57	54	52	50	50	
					5	86.7	36	42	47	52	57	66	86	67	59	60	55	71	68	71	68	66	70	66	68	67	66	66	66	66	64	60	58	53	53	52	50
					6	87.3	38	45	43	51	54	65	86	68	58	59	54	72	71	70	68	68	69	67	69	70	69	67	66	64	62	58	56	52	49		
				12	1	84.7	35	43	47	50	54	64	84	64	56	67	56	53	58	66	69	66	64	66	64	64	62	61	59	55	52	47	42	41	40		
					2	84.5	33	41	42	50	52	63	84	67	58	59	52	60	56	64	69	67	62	64	64	65	64	62	61	59	56	53	48	44	41	42	
					3	83.9	36	45	45	44	52	62	83	65	57	63	56	57	56	66	68	67	61	66	65	65	64	65	63	62	59	57	54	48	44	42	
					4	84.1	36	41	39	47	48	63	83	65	60	61	55	61	56	63	69	67	63	67	67	67	66	64	63	62	59	57	53	49	45	42	42
					5	84.0	32	39	46	50	52	62	83	64	60	62	55	61	54	65	71	68	63	67	67	65	65	64	60	55	54	49	45	40	41		
					6	85.2	37	46	44	47	51	64	84	65	61	64	52	58	58	67	70	68	63	67	66	67	66	64	64	62	60	57	52	49	43	42	39
				13	1	85.9	39	47	56	56	59	76	84	59	63	71	73	70	64	63	64	64	61	63	63	64	65	65	65	64	61	56	54	50	50	46	
					2	86.4	40	48	54	53	57	76	85	59	63	72	73	72	66	65	65	63	62	64	63	64	67	66	67	64	62	56	55	52	51	48	
					3	85.9	38	42	48	45	53	60	83	73	54	72	66	79	74	67	68	68	66	66	66	65	64	62	64	67	66	62	60	56	56	54	48
					4	86.7	41	42	48	48	55	59	84	77	58	69	75	71	68	67	68	67	68	67	66	63	61	63	66	64	62	61	55	56	54	48	
					5	86.2	43	41	47	50	60	62	83	74	57	76	67	78	73	68	70	69	69	67	68	66	64	64	66	69	65	62	59	57	57	50	
					6	86.4	41	43	50	54	58	76	85	59	63	74	75	73	65	67	65	63	64	64	65	65	66	64	65	65	62	55	54	51	49	47	
		120	1	1	87.9	43	41	55	57	60	66	83	81	64	79	76	77	74	71	70	70	70	70	70	68	67	65	66	64	62	60	60	58	56	56	57	55
				2	88.4	37	44	46	48	52	58	78	86	67	64	72	78	77	75	69	65	66	66	66	64	62	61	61	58	57	54	52	48	47	46		
				3	90.5	39	50	52	58	56	69	84	86	64	81	79	80	77	72	72	72	73	73	71	69	68	68	67	65	63	61	60	57	57	57	55	
				4	90.0	41	47	48	54	58	60	81	87	64	73	77	81	79	74	69	69	68	69	70	67	65	64	64	59	60	57	55	54	53	52		
				5	90.9	51	47	50	61	58	63	82	89	66	73	77	81	78	75	69	69	69	68	67	67	65	65	64	61	62	58	57	55	52	54	52	
				6	89.9	43	53	46	55	63	83	83	86	70	76	77	80	78	72	71	70	70	70	68	67	65	62	62	63	59	58	58	55	56	54	53	
				7	90.1	43	45	51	56	58	65	83	87	63	77	78	80	77	71	69	70	68	67	67	63	63	62	60	59	57	56	54	56	55			
				8	90.2	42	45	53	52	58	63	84	86	63	76	77	81	78	73	70	70	67	68	68	69	66	66	65	63	59	58	58	55	54	51		
				9	89.3	47	48	56	59	58	72	85	82	64	80	76	79	74	71	73	72	70	70	70	68	68	67	65	64	62	60	58	58	58	57		
				10	90.0	45	45	49	55	57	66	82	85	64	78	78	82	79	73	72	70	70	70	68	68	67	65	64	62	60	58	56	55	56	54		
				11	91.1	42	44	55	60	61	69	87	85	66	81	77	81	76	74	72	71	71	72	70	71	68	68	67	66	63	62	60	59	59	58		
				2	1	88.1	42	51	49	53	56	67	82	81	64	80	77	78	73	72	69	68	71	69	70	70	68	67	66	64	62	61	59	57	56		

TABLE XIX. - SUMMARY OF ONE-THIRD OCTAVE BAND SOUND PRESSURE LEVELS FOR THE MODIFIED OH-6A HELICOPTER (CONFIGURATION E)
AS MEASURED ON TRACK AND Laterally FOR Various FLIGHT CONDITIONS, ALTITUDES, AND FORWARD SPEEDS - Continued

Date	Flight condition	Altitude, meters	Airspeed, knots	Microphone position	Flight	One-third octave band sound pressure levels, dB, for frequencies, Hz, of -																																	
						Overall	10	12	16	20	25	32	40	50	63	80	100	125	160	200	250	320	400	500	630	800	1000	1250	1600	2000	2500	3200	4000	5000	6300	8000	10000		
3-12-71	Level (1098 kg)*	30	120	3	1	89.2	51	51	50	57	58	64	82	86	64	75	76	78	77	72	71	69	69	70	70	68	67	64	62	62	60	58	54	53	52	50	50		
					2	89.5	47	44	51	51	59	65	81	86	62	74	76	81	78	73	68	69	69	68	70	70	68	66	64	62	62	61	59	56	53	52	50	50	
					3	90.2	45	53	53	56	60	67	85	85	62	81	79	80	76	73	63	71	71	71	71	69	69	67	66	64	63	61	61	59	56	53	52	50	50
					4	90.8	46	51	50	57	60	63	84	87	65	78	78	81	78	73	72	72	70	69	70	71	70	67	65	65	65	61	60	57	57	56	55	55	
					5	91.4	43	50	53	58	63	67	85	87	65	80	78	82	78	73	72	72	72	71	71	71	71	70	69	67	65	62	62	59	56	54	53	53	53
					6	89.6	51	55	53	57	63	64	84	85	64	78	77	79	76	70	71	68	68	68	67	67	67	64	62	62	62	59	56	57	53	53	53	53	53
					7	89.6	47	48	52	54	54	65	82	86	66	76	77	79	77	72	70	68	69	67	67	67	66	63	61	61	61	59	56	56	54	53	52	54	54
					8	90.4	48	46	55	56	58	66	86	85	63	79	77	81	78	70	69	72	71	72	69	67	65	62	62	58	58	57	56	55	54	54	55	55	55
					9	90.6	45	45	54	57	59	67	85	85	62	81	79	80	78	72	73	71	73	72	73	72	71	66	66	66	61	60	61	57	58	56	57	58	57
					10	91.7	52	46	54	54	62	72	87	85	67	84	79	80	76	74	73	71	73	73	73	70	70	69	68	66	66	65	64	63	58	58	59	58	58
					11	91.2	41	44	49	56	58	63	83	88	65	73	75	82	81	76	73	69	70	69	70	69	67	64	62	63	61	61	59	57	56	54	54	53	53
				4	1	87.9	50	51	53	58	56	68	83	75	61	72	70	79	78	69	72	72	73	74	73	73	74	71	69	67	66	62	60	58	55	53	51		
					2	88.2	42	47	55	58	63	69	84	70	58	69	70	79	77	69	76	72	75	75	76	75	73	70	70	68	65	63	59	59	56	54	50	50	
					3	89.3	45	47	58	58	66	69	84	73	62	66	70	81	80	69	73	76	74	77	78	76	75	72	72	69	67	65	62	58	57	55	52	50	50
					4	88.3	46	48	57	60	62	68	84	75	60	69	69	78	79	71	73	75	74																

*Take-off gross weight.

TABLE XIX.- SUMMARY OF ONE-THIRD OCTAVE BAND SOUND PRESSURE LEVELS FOR THE MODIFIED OH-6A HELICOPTER (CONFIGURATION E)
AS MEASURED ON TRACK AND Laterally FOR Various FLIGHT CONDITIONS, ALTITUDES, AND FORWARD SPEEDS - Continued

Date	Flight condition	Altitude, meters	Airspeed, knots	Microphone position	Flight	One-third octave band sound pressure levels, dB, for frequencies, Hz, of -																																	
						Overall	10	12	16	20	25	32	40	50	63	80	100	125	160	200	250	320	400	500	630	800	1000	1250	1600	2000	2500	3200	4000	5000	6300	8000	10000		
3-12-71	Level (1098 kg)*	30	120	8	1	87.4	35	41	47	50	56	58	77	85	65	63	69	76	76	74	69	67	67	65	66	63	62	58	59	60	54	54	51	48	45	44	43		
					2	88.4	39	42	48	54	54	60	77	86	65	65	72	78	77	74	69	67	69	68	67	66	63	61	60	58	56	55	52	50	45	45	43		
					3	89.3	38	42	45	52	55	63	82	86	63	74	75	80	78	71	71	69	66	66	65	63	61	59	58	55	54	51	51	51	46	46	46		
					4	89.8	44	47	49	51	57	64	82	87	62	76	77	80	78	74	71	71	71	70	69	67	65	64	63	60	58	57	55	52	52	46	46	46	
					5	89.2	39	41	45	52	53	59	79	87	65	66	71	78	77	76	71	67	67	65	66	64	63	61	61	56	54	53	50	47	52	46	46	46	
					6	88.3	40	45	47	51	57	62	81	85	66	72	74	79	76	73	69	66	67	66	67	65	63	60	60	58	57	55	52	51	50	46	46	46	
					7	88.9	40	41	50	56	54	62	81	86	61	75	76	80	77	72	67	68	67	68	68	66	66	63	62	61	58	56	55	53	51	50	45	45	45
					8	88.7	41	43	49	56	56	61	80	85	62	74	75	80	78	72	68	69	68	69	66	67	67	63	63	61	59	58	56	55	53	51	45	45	45
					9	89.0	41	38	47	55	56	63	83	85	62	76	75	79	76	72	68	69	67	69	68	69	66	64	63	61	59	59	55	55	51	47	47	47	
					10	88.6	41	41	49	54	58	65	84	83	63	77	75	78	76	68	70	70	68	69	70	69	68	65	66	64	62	60	57	54	54	53	48	48	48
					11	89.4	41	38	52	53	53	64	84	84	61	80	76	80	75	69	71	70	70	69	69	68	67	65	64	62	59	58	57	56	56	50	50	50	50
				9	1	85.9	36	36	39	45	49	60	77	78	57	77	77	78	75	70	71	70	70	69	68	67	67	64	63	61	60	57	56	55	52	52	53	53	
					2	86.0	38	38	40	49	47	53	74	82	61	70	74	78	72	68	70	67	67	67	66	65	62	60	59	57	55	53	51	48	48	48	48	48	
					3	87.2	36	36	43	45	47	58	77	81	64	75	76	80	79	71	70	70	71	72	70	69	68	65	64	62	61	59	57	55	51	53	52	52	
					4	87.6	37	45	42	52	51	61	79	80	63	80	78	79	75	72	71	71	71	72	69	69	68	65	66	65	64	62	63	59	57	56	56	56	
					5	87.2	35	35	40	46	48	57	76	82	59	75	76	80	78	72	70	69	71	67	68	68	65	64	62	61	60	57	56	54	52	51	51	51	
					6	87.0	36	37	40	46	56	60	80	82	65	77	75	79	77	71	70	69	69	68	68	67	65	61	61	62	59	57	56	52	50	49	49	49	
					7	87.2	37	35	42	46	48	57	78	82	59	75	76	80	78	71	69	69	68	68	68	66	63	62	61	58	58	55	50	49	49	49	49	49	
					8	87.5	38	40	43	49	53	62	78	82	61	77	78	80	77	70	72	70	71	69	68	68	67	63	63	63	59	58	57	55	51	49	50	50	
					9	87.5	37	39	43	50	46	57	78	83	61	72	75	79	79	74	70	69	69	68	68	66	64	61	60	61	57	56	52	51	49	48	48	48	
					10	88.1	37	35	42	48	50	60	81	82	61	78	75	81	77	68	72	70	71	71	70	67	67	66	65	64	60	59	58	56	52	50	50	50	
					11	89.4	36	35	39	47	52	57	80	85	63	77	77	82	80	75	72	72	70	69	69	67	66	63	63	61	59	58	56	52	53	51	51	51	
				10	1	87.4	50	55	58	60	65	66	80	69	58	73	70	80	76	71	76	72	76	74	75	74	73	71	70	68	66	65	60	59	56	53	53	53	
					2	87.8	39	49	62	55	59	68	82	68	59	75	74	81	74	70	78	74	73	74	74	73	73	68	69	68	67	65	62	60	57	55	53	53	
					3	88.9	41	49	59	56	60	70	84	71	58	72	77	74	75	75	75	74	73	72	71	69	67	67	65	62	60	57	55	51	53	55	55	55	
					4	88.0	38	42	46	49	54	57	76	87	64	68	75	60	65	66	70	67	75	66	66	64	64	62	60	63	59	56	53	49	46	43	44	44	
					5	89.4	46	46	59	62	58	69	83	73	63	72	70	82	79	72	78	75	79	76	76	74	72	71	69	68	64	64	59	57	54	52	51	51	51
					6	89.0	39	54	58	59	62	69	85	71	63	73	78	77	71	77	74	76	75	76	77	76	71	71	68	67	65	63	57	54	52	51	51	51	
					7	89.8	47	52	52	63	64	70	86	69	58	70	73	79	76	72	77	74	77	78	77	78	77	75	73	71	69	67	64	61	57	56	52	51	51
					8	88.9	45	50	51	57	55	70	84	76	61	69	69	77	78	72	76	76	77	78	77	77	75	73	71	69	67	64	61	57	56	52	51	51	
					9	89.8	48	49	53	61	66	73	85	67	58	65	72	79	77	70	77	75	79	78	77	76	76	73	71	67	66	63	61	57	56	53	50	50	
					10	90.6	52	55	48	60	63	71	87	71	63	63	70	80	77	76	76	78	79	78	76	74	71	68	66	64	63	59	57	55	52	50	50	50	
					11	89.9	50	53	62	59	67	76	87	67	58	60	68	77	75	71	75	75	78	78	74	73	74	70	68	65	62	61	58	55	53	51	51	51	
				11	1	88.6	45	49	56	60	64	65	85	76	66	62	59	77	77	76	70	73	74	72	74	75	74	71	68	67	65	64	60	57	54	54	51	51	
					2	88.6	42	48	59	54	61	69	86	69	62	58	63	77	75	76	68	75	73	73	74	73	72	69	68	65	64	61	59	56	54	53	50	50	
					3	89.0	43	46	55	56	61	67	86	80	69	65	59	73	77	75	68	74	73	75	74	72	71	69	66	64	62	58	53	52	53	53	53		
					4	89.0	40	46	57	60	61	68	87	73	60	62	57	74	75	78	72	71	76	71	75	73	72	71	69	68	65	63	61	56	55	53	52	52	
					5	89.8	44	43	59	60	61	68	88	76	64	64	57	74	76	79	74	70	75	73	74	72	73	71	69	68	66	63	62	59	56	54	52	52	
					6	89.7	50	51	56	57	64	70	86	72	68	71	68	74	77	78	73	76	78	76	77	75	73	69	66	62	61	57	55	51	49	49	49	49	
					7	89.8	47	52	54	60	60	75	87	66	65	61	61	73	76	76	74	72	77	76	74	75	73	70	67	66	62	59	56	54	52	47	47	47	
					8	88.8	42	48																															

TABLE XIX.- SUMMARY OF ONE-THIRD OCTAVE BAND SOUND PRESSURE LEVELS FOR THE MODIFIED OH-6A HELICOPTER (CONFIGURATION E)
AS MEASURED ON TRACK AND Laterally FOR VARIOUS FLIGHT CONDITIONS, ALTITUDES, AND FORWARD SPEEDS - Continued

Date	Flight condition	Altitude, meters	Airspeed, knots	Microphone position	Flight	One-third octave band sound pressure levels, dB, for frequencies, Hz, of -																															
						Overall	10	12	16	20	25	32	40	50	63	80	100	125	160	200	250	320	400	500	630	800	1000	1250	1600	2000	2500	3200	4000	5000	6300	8000	10000
3-12-71	Level (1098 kg)*	30	120	13	1	88.1	49	47	46	52	55	58	79	85	62	70	74	79	77	73	69	67	68	68	67	67	65	60	60	61	57	54	52	50	50	51	47
					2	88.6	45	44	51	54	56	60	80	85	61	75	76	80	78	71	68	68	66	68	69	66	67	64	63	62	60	57	54	54	53	55	48
					3	88.9	47	48	54	58	61	68	83	82	66	81	78	79	75	72	72	70	72	71	70	70	67	64	63	60	60	58	59	58	60	54	49
					4	89.2	46	45	49	57	53	62	80	86	63	75	76	80	78	74	69	69	69	68	68	66	64	62	63	59	56	56	54	53	54	49	
					5	88.6	47	49	53	55	56	63	79	85	64	72	76	81	79	73	70	66	69	70	68	67	65	63	62	62	59	57	56	51	52	53	49
					6	89.7	45	51	54	57	62	66	84	84	65	81	78	80	75	72	72	70	71	72	70	69	68	64	61	62	61	58	59	55	55	55	49
					7	89.4	44	47	57	60	53	64	84	82	66	82	78	78	76	75	71	71	72	71	71	70	69	66	66	66	62	64	63	61	58	58	54
					8	89.5	46	48	50	56	59	69	85	84	63	80	77	79	76	71	70	69	71	70	68	68	65	62	62	61	57	58	56	55	55	51	
					9	89.3	49	49	54	56	59	69	84	82	61	81	77	80	77	72	72	71	71	70	71	70	68	66	64	64	61	60	59	58	57	55	52
					10	91.5	47	43	52	60	59	65	84	86	64	82	81	83	80	75	76	72	72	71	70	67	66	68	64	64	61	60	57	57	51	51	47
					11	89.8	44	43	48	52	58	66	83	85	62	79	78	81	79	73	69	69	69	70	70	68	66	63	63	63	59	57	56	55	54	54	51
3-13-71	Level (752 kg)*	30	40	1	1	83.3	40	39	50	60	82	67	54	57	55	67	66	64	57	65	61	63	65	64	64	63	62	62	61	59	54	53	51	50	52	51	48
					2	83.6	36	38	49	60	83	65	55	61	53	65	64	58	59	61	59	60	61	62	59	60	57	57	57	57	53	50	49	49	49	47	
					3	84.4	43	41	44	60	84	68	53	56	53	66	68	66	55	63	61	64	63	62	63	63	64	61	61	59	54	54	52	53	52	50	47
					4	83.9	43	43	51	60	83	68	56	57	54	61	64	65	54	64	64	64	64	63	63	61	62	60	54	54	51	53	52	51	47		
					5	83.9	42	42	50	59	83	66	51	58	62	61	66	63	56	62	61	61	60	62	64	62	61	61	60	59	52	52	50	51	50	47	
				2	1	83.7	43	44	51	58	83	70	55	57	54	69	64	63	56	65	60	64	62	62	63	64	64	61	59	60	56	53	52	52	51	49	45
					2	84.3	41	46	53	60	83	69	52	55	56	70	66	65	57	65	59	64	61	61	63	62	62	63	62	59	56	53	52	52	50	46	
					3	84.6	41	41	52	61	84	69	53	57	57	62	66	62	56	64	61	64	64	63	65	65	65	62	62	59	55	54	53	54	52	50	45
					4	83.9	44	41	52	60	83	67	52	58	54	63	65	63	55	61	60	61	61	63	63	61	63	61	60	58	54	52	52	50	51	48	43
					5	83.8	40	43	51	61	83	65	55	61	52	60	61	63	56	59	60	59	61	60	62	59	60	59	58	55	52	51	50	50	50	46	43
				3	1	84.4	43	40	51	58	83	71	55	58	59	68	64	63	57	63	60	66	63	62	63	62	64	64	61	59	55	54	52	52	52	50	49
					2	84.3	44	41	50	59	84	69	53	55	55	68	64	61	55	64	60	63	63	63	63	63	64	62	61	59	55	54	52	52	52	50	49
					3	85.1	41	42	53	62	84	69	53	55	56	62	66	65	57	62	57	63	62	63	64	64	64	61	59	56	53	52	52	53	51	48	
					4	84.0	44	44	53	59	83	70	52	57	58	65	66	63	57	64	60	64	62	62	63	62	64	63	61	58	55	54	52	53	51	50	49
					5	83.9	44	46	50	60	83	67	55	55	53	63	64	62	56	62	59	62	60	61	62	62	62	62	60	56	53	53	51	51	50	48	47
				4	1	81.6	39	45	47	55	81	69	56	55	51	52	66	61	60	56	61	61	62	59	60	59	60	58	56	55	53	51	49	49	48	46	
					2	81.1	41	44	49	57	80	66	55	50	52	60	63	64	61	53	61	56	62	59	61	58	58	58	56	56	52	51	49	48	51	52	46
					3	80.7	42	40	50	55	80	65	57	59	52	59	58	60	62	53	63	57	60	59	59	57	58	57	57	53	51	49	49	51	51	48	
					4	81.3	41	42	45	56	81	67	54	52	49	60	61	62	58	54	58	57	60	59	61	59	59	57	56	55	53	51	49	50	48	50	48
					5	81.1	43	39	50	55	80	67	54	55	51	62	61	64	58	52	61	56	62	60	62	58	58	58	55	53	53	50	49	49	50	47	
				5	1	76.0	36	44	42	49	75	64	52	54	51	57	52	54	59	55	53	60	57	58	57	56	55	53	53	50	48	46	44	44	44	42	
					2	75.3	35	37	42	51	74	63	53	53	52	56	47	52	58	60	57	56	62	58	59	57	56	55	54	52	51	48	46	45	45	44	41
					3	74.8	35	38	46	49	73	62	56	57	53	58	50	50	57	58	58	52	60	58	61	58	56	56	55	53	50	48	46	45	45	44	41
					4	75.4	35	38	39	51	74	62	57	52	51	55	47	53	55	59	55	55	59	55	55	58	56	55	55	52	51	47	44	45	45	43	41
					5	75.4	37	43	45	51	74	62	53	52	53	56	50	53	58	57	55	60	57	58	56	56	55	53	52	51	47	47	45	45	44	43	42
				6	1	71.6	32	41	43	46	70	57	52	55	51	58	56	46	44	54	53	55	50	56	54	55	51	50	49	48	45	44	43	39	37	36	35
					2	71.5	32	43	44	49	69	57	54	55	52	60	52	43	47	54	54	58	55	55	56	55	51	53	50	47	46	45	42	39	38	36	36
					3	70.8	32	40	50	48	68	58	54	57	51	60	53	41	39	50	54	53	51	57	51	53	52	48	47	45	43	42	38	36	34	34	
					4	71.3	34	41	41	47	70	57	52	55	50	59	52	43	45	50	54	55	48	55	55	53	52	52	49	47	45	45	43	40	38	36	34
					5	71.5	36	38	39	46	70	57	54	57	52	58	53	44	44	51	54	54	49	56	55	54	53	52	49	46	46	44	41	38	37	36	32
				7	1	84.1	42	43	51	60	83	67	54	59	52																						

TABLE XIX. - SUMMARY OF ONE-THIRD OCTAVE BAND SOUND PRESSURE LEVELS FOR THE MODIFIED OH-6A HELICOPTER (CONFIGURATION E)
AS MEASURED ON TRACK AND Laterally FOR VARIOUS FLIGHT CONDITIONS, ALTITUDES, AND FORWARD SPEEDS - Continued

Date	Flight condition	Altitude, meters	Airspeed, knots	Microphone position	Flight	One-third octave band sound pressure levels, dB, for frequencies, Hz, of -																																
						Overall	10	12	16	20	25	32	40	50	63	80	100	125	160	200	250	320	400	500	630	800	1000	1250	1600	2000	2500	3200	4000	5000	6300	8000	10 000	
3-13-71	Level (752 kg)*	30	40	8	1	83.0	37	41	49	59	82	67	49	55	53	65	61	60	57	63	60	65	61	62	63	62	62	60	60	58	56	53	51	52	52	51	42	
					2	82.5	40	39	46	58	82	67	51	52	53	67	66	65	56	64	59	62	62	61	59	62	62	62	62	60	61	58	55	54	52	53	50	44
					3	83.4	36	39	53	59	83	67	55	57	52	64	69	66	56	61	59	61	59	62	64	62	62	62	62	61	58	55	54	51	52	51	50	44
				4	83.2	39	38	49	60	82	66	53	54	53	62	65	66	62	57	62	61	62	64	61	61	62	61	61	62	61	59	54	52	53	52	51	44	
				5	83.0	37	41	50	58	82	66	54	52	55	65	66	57	63	62	64	63	62	64	62	62	62	62	62	60	61	58	56	54	52	52	51	44	
				9	1	78.1	29	33	42	53	74	63	47	55	54	65	65	61	67	64	66	62	63	64	62	62	62	60	61	58	55	54	52	52	49	48	49	
					2	77.3	31	30	40	52	75	59	49	49	50	63	60	59	54	61	59	63	60	61	58	62	62	61	61	58	54	52	52	49	47	45		
					3	79.2	33	32	42	52	76	62	50	54	54	63	69	65	59	66	62	65	64	65	66	65	65	62	62	59	55	54	52	53	49	48	50	
				4	78.6	33	33	41	52	76	59	50	50	52	63	67	67	57	64	61	64	62	63	64	64	64	62	61	58	55	53	51	51	49	47	46		
				5	78.4	32	33	42	53	76	59	46	51	51	61	67	61	55	64	58	62	62	63	62	62	62	62	62	64	63	61	59	55	53	50	50	47	
				10	1	77.4	38	43	48	57	73	65	55	61	53	64	66	64	61	61	66	60	62	61	64	64	62	61	60	57	55	52	52	51	52	50	47	
					2	77.1	38	38	47	53	73	66	56	60	54	63	64	65	62	58	62	60	62	61	62	61	62	62	62	60	58	54	54	52	53	50	47	
			3		77.5	36	39	47	58	74	67	60	61	54	60	62	63	62	56	62	61	61	62	64	63	63	60	61	58	54	53	52	51	54	56	49		
			4	76.3	38	42	50	54	75	57	49	58	50	52	58	63	62	55	56	56	58	59	61	59	59	58	56	55	51	51	47	49	49	47	42			
			5	77.1	34	41	48	56	76	59	55	58	50	50	57	61	61	54	56	59	57	58	58	58	58	57	55	54	52	51	49	45	45	46	45	42		
			11	1	75.8	31	38	46	51	73	64	53	65	58	54	53	56	59	60	56	56	59	57	59	59	59	58	57	55	53	51	50	49	51	53	48		
				2	75.1	36	38	43	49	73	64	55	63	57	56	49	52	59	57	56	54	58	56	59	59	59	58	57	57	55	52	49	49	51	49	48		
				3	74.8	32	36	47	53	73	62	56	57	52	53	50	52	56	59	57	51	58	57	51	58	57	60	59	59	57	57	55	53	50	51	52	55	
			4	75.0	32	40	46	50	73	64	58	63	58	57	50	52	57	56	54	49	57	57	62	56	57	60	56	57	57	55	53	51	48	50	50	52	46	
			5	75.1	32	36	41	53	73	63	55	61	55	54	50	56	60	59	57	54	58	57	57	58	57	58	60	59	55	52	51	49	45	45	48	51	53	48
			12	1	72.3	34	43	44	51	70	61	56	62	56	59	56	46	48	53	55	56	49	56	56	53	52	53	51	50	47	46	45	45	43	41			
				2	71.9	29	31	40	49	69	61	55	62	55	60	56	44	43	50	55	53	56	51	53	57	54	53	52	52	51	49	48	45	46	46	38		
				3	71.1	30	35	45	49	68	59	56	56	54	56	53	48	43	50	55	59	54	51	58	57	52	54	54	52	52	49	48	45	44	44	43	35	
			4	71.6	31	39	35	42	69	61	53	61	55	58	56	48	42	46	52	55	54	49	58	52	54	52	51	50	49	45	44	44	44	44	43	35		
		5	71.8	28	34	36	50	69	61	52	59	55	60	56	49	43	47	55	56	52	54	59	53	54	52	52	51	49	45	44	44	44	44	44	43	36		
		13	1	83.3	38	42	51	59	83	66	53	56	54	67	66	63	55	64	59	61	61	63	63	60	58	58	55	53	51	49	48	51	49	46	48			
			2	83.4	42	37	45	58	82	68	52	57	57	70	68	65	58	64	60	64	62	60	63	62	61	60	59	57	53	54	52	52	51	50	47			
			3	84.3	36	42	53	60	84	68	54	56	54	64	69	65	56	64	59	60	63	63	62	62	63	61	60	58	55	53	52	52	52	51	48			
		4	83.5	41	42	47	60	83	67	54	55	55	64	64	61	58	62	57	61	61	61	64	62	63	61	60	57	55	52	52	52	51	52	48				
		5	83.2	42	42	50	60	83	68	53	56	54	60	65	62	57	64	59	61	61	62	61	62	62	61	58	58	54	53	52	51	52	51	48				
		70	1	1	80.5	48	42	52	61	79	61	54	58	50	61	63	65	60	59	62	60	61	63	63	60	61	60	60	59	54	53	52	49	49	50	49		
				2	79.7	49	41	46	62	79	60	56	59	50	58	64	62	60	56	60	58	60	61	61	61	59	57	60	57	52	53	50	49	46	49	45		
				3	78.6	50	44	46	60	76	61	53	54	52	63	66	64	57	63	61	63	62	61	63	60	61	62	59	54	55	54	52	50	50	50			
				4	79.2	49	42	45	60	78	60	56	60	49	60	64	64	57	59	60	58	61	60	61	59	59	58	59	54	54	52	49	47	48	46			
				5	79.2	49	41	48	62	77	64	54	53	53	62	65	62	57	64	60	62	61	63	62	60	60	61	60	55	55	52	51	51	48				
				2	1	81.6	47	44	53	62	80	64	60	58	50	64	69	65	61	63	62	64	62	62	63	62	61	59	62	58	55	53	51	50	48	48	45	
					2	80.3	49	44	47	62	79	58	56	55	48	60	66	64	55	61	61	61	60	62	61	60	59	58	59	57	54	54	51	48	46	44		
					3	79.2	49	43	43	62	78	60	56	58	51	58	63	65	58	59	60	60	60	62	58	59	56	57	56	53	52	51	48	45	46	42		
				4	79.8	49	40	45	60	78	61	57	56	54	62	66	65	57	62	61	62	61	62	63	61	61	60	60	59	54	54	51	49	47	48	44		
				5	79.5	51	43	48	61	78	60	58	53	55	61	64	63	58	63	61	63	62	61	60	60	59	61	59	56	55	54	51	49	50	48	43		
				3	1	82.1	49	49	51	61	81	63	59	57	55	62	87	66	62	61	62	61	63	64	64	62	61	61	59	58	55	53	50	50	48	46		
					2	80.1	49	40	47	62	79	59	56	56	49	57	66	63	59	59	60	60	62	61	60	62	61	61	59	57	55	54	53	50	47	44	45	
			3		79.3	51	44	48	60	78	62	58	55	52	65	65	62	58	62	60	63	60	62	62	62	61	61	59	59	55	54	53	52	50	48	47		
			4	79.9	51	40	51	62	78	62	56	53	53	64	66	65	57	62	60	62	60	62	63	59	62	61	59	58	55	51	51	50	49	47				
			5	80.2	49	47	52	60	79	60	58	51	58	63	63	57	60	59	57	60	60	60	60	60	57	59	56	59	55	51	52	49	47	47	45			
			4	1	80.1	49	49	49	59	78	64	57	58	54	63	64	64	65	56	65	62	67	64	64	62	61	61	60	56	54	53	51	50	50	49	47		
				2	79.2	45	44	44	56	77	66	57	50	63	65	64	63	58	65	61	66	64	66	64	62	60	61	59	57	55	53	51	50	50	48	47		
				3	78.9	47	48	53	59	76	65	58	56	52	64	66	66	65	57	67	62	64	65	64	62	60	61	59	57	55	53	51	50	50	48	47		
4	79.5			47	43	47	60	78	62	59	58	53	61	65	66	64	56	63	62	65	61	63	61	58	59	58	55	54	51	50	49	50	48	47				
5	79.2			42	45	49	58	77	62	60	57	50	63	66	66	66	66	66	66	65	62	65	64	65	61	62	60	58	58	54	52	49	50	49	47			

*Take-off gross weight.

TABLE XIX.- SUMMARY OF ONE-THIRD OCTAVE BAND SOUND PRESSURE LEVELS FOR THE MODIFIED OH-6A HELICOPTER (CONFIGURATION E)
AS MEASURED ON TRACK AND Laterally FOR VARIOUS FLIGHT CONDITIONS, ALTITUDES, AND FORWARD SPEEDS - Concluded

Date	Flight condition	Altitude, meters	Airspeed, knots	Microphone position	Flight	One-third octave band sound pressure levels, dB, for frequencies, Hz, of -																																
						Overall	10	12	16	20	25	32	40	50	63	80	100	125	160	200	250	320	400	500	630	800	1000	1250	1600	2000	2500	3200	4000	5000	6300	8000	10000	
3-13-71	Level (752 kg)*	30	70	5	1	76.4	37	42	45	56	72	61	58	61	58	60	54	52	60	64	65	58	67	64	65	63	62	60	57	56	53	49	47	46	45	44	44	41
					2	75.9	39	37	43	50	72	62	56	57	52	58	53	53	63	64	61	59	67	62	63	63	61	59	57	54	52	49	45	44	46	44	42	
					3	75.9	44	45	48	56	71	62	58	59	56	56	53	55	63	64	62	60	67	61	64	61	62	60	58	55	52	50	48	45	45	45	44	43
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				12	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
					2	72.9	37	44	42	49	68	60	58	59	55	60	58	51	54	58	63	62	56	58	60	57	55	54	53	52	50	47	48	46	43	41		
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				13	1	79.8	48	45	53	59	79	63	57	52	61	63	63	56	61	60	59	60	62	62	60	59	58	59	56	53	52	50	48	48	49	46		
					2	78.7	51	39	48	60	77	64	58	53	57	62	66	64	59	63	59	62																



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Figure 1.- Standard Hughes OH-6A turbine helicopter. Configuration A.

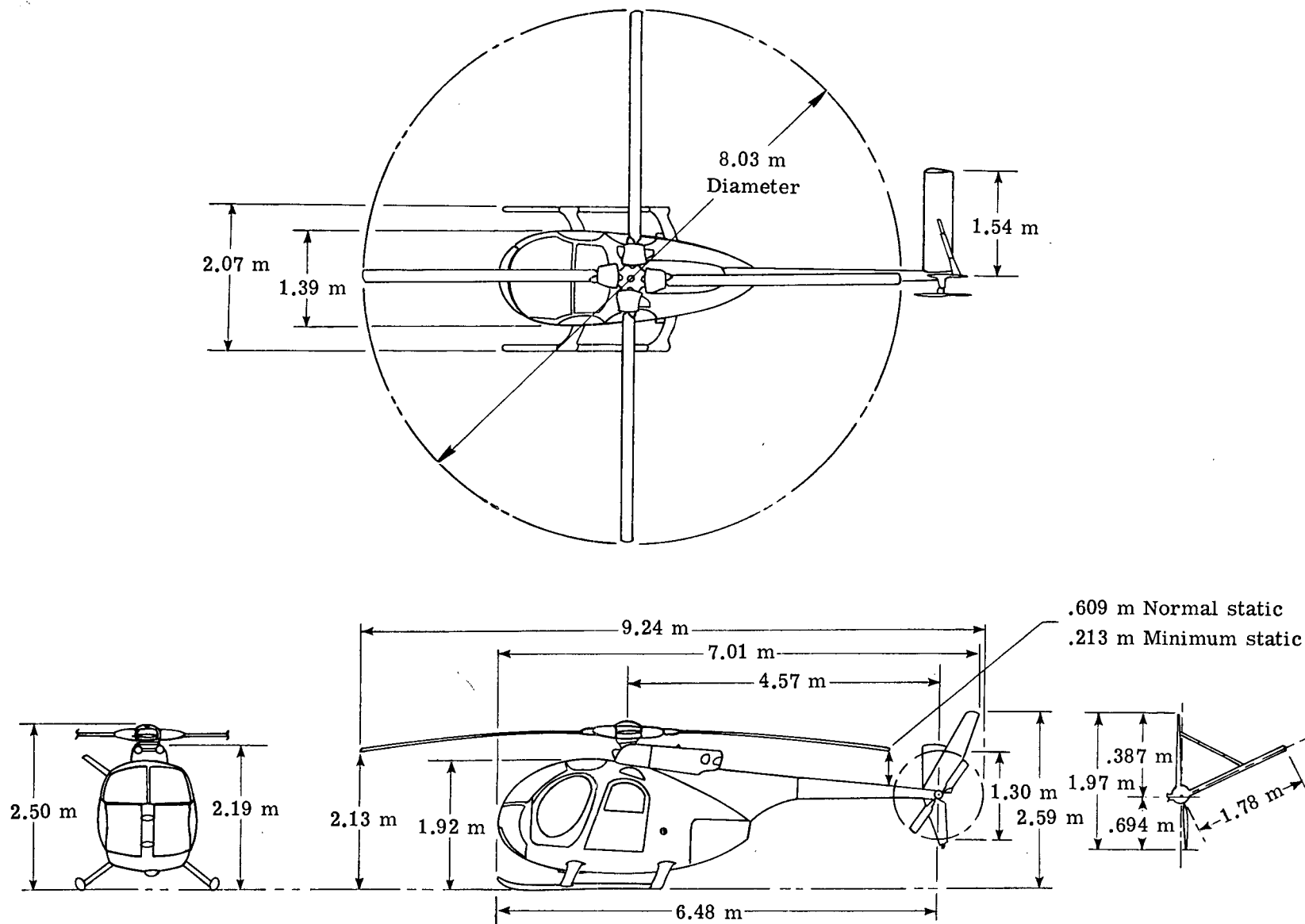


Figure 2.- Three-view drawing of the Hughes OH-6A turbine helicopter. Configuration A.



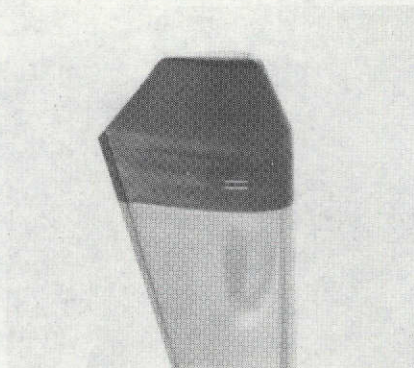
(a) Four-blade tail rotor; configuration B.



(b) Two-blade wide chord tail rotor; configuration C.

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Figure 3.- Photograph of the modified (1969) OH-6A turbine helicopter.



(a) Trapezoidal tip cap modification of main-rotor blade.



(b) Configuration E.

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Figure 4.- Photograph of the modified (1971) OH-6A turbine helicopter.

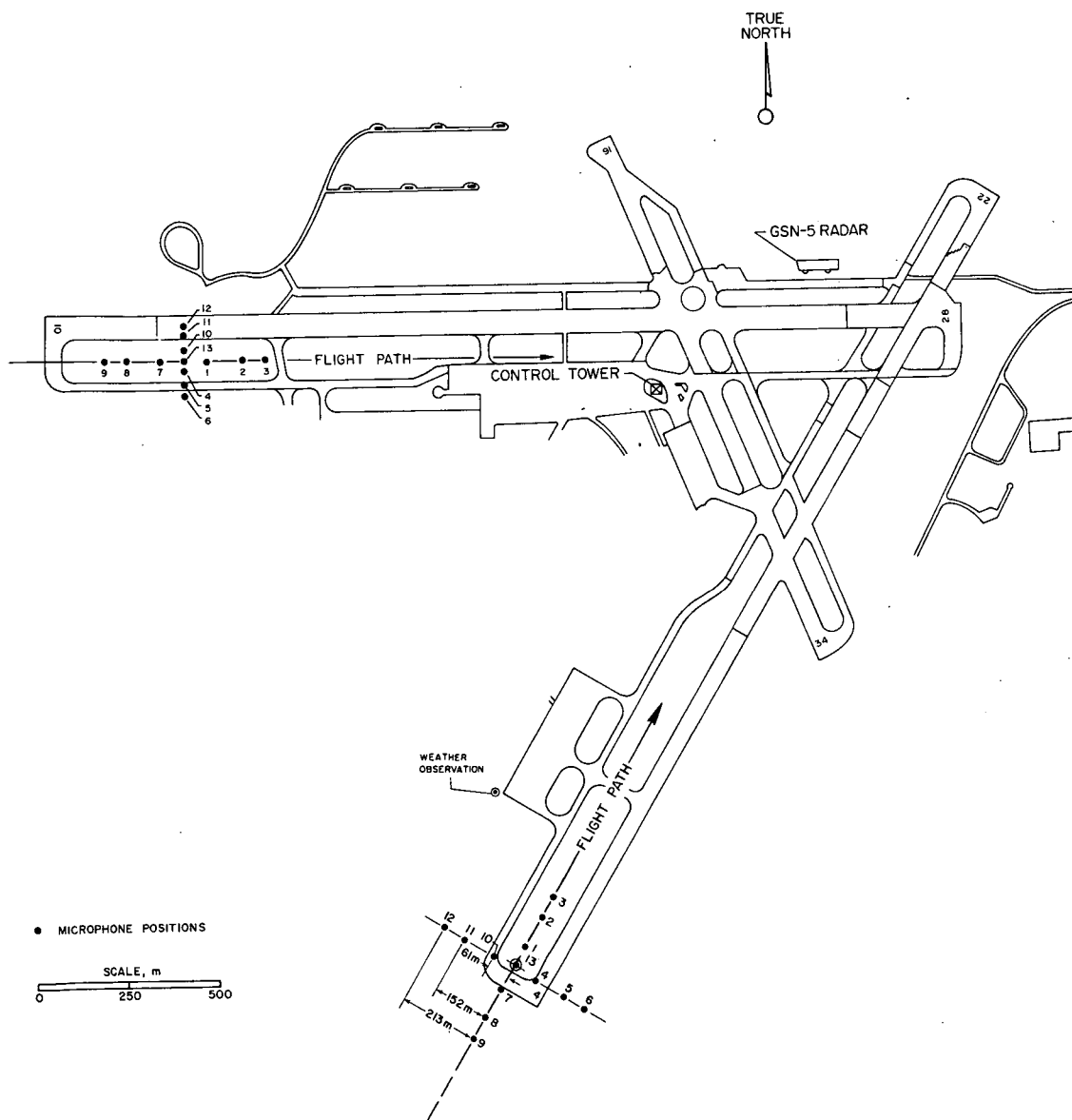


Figure 5.- Map of test area showing location of flight path and microphone arrays.

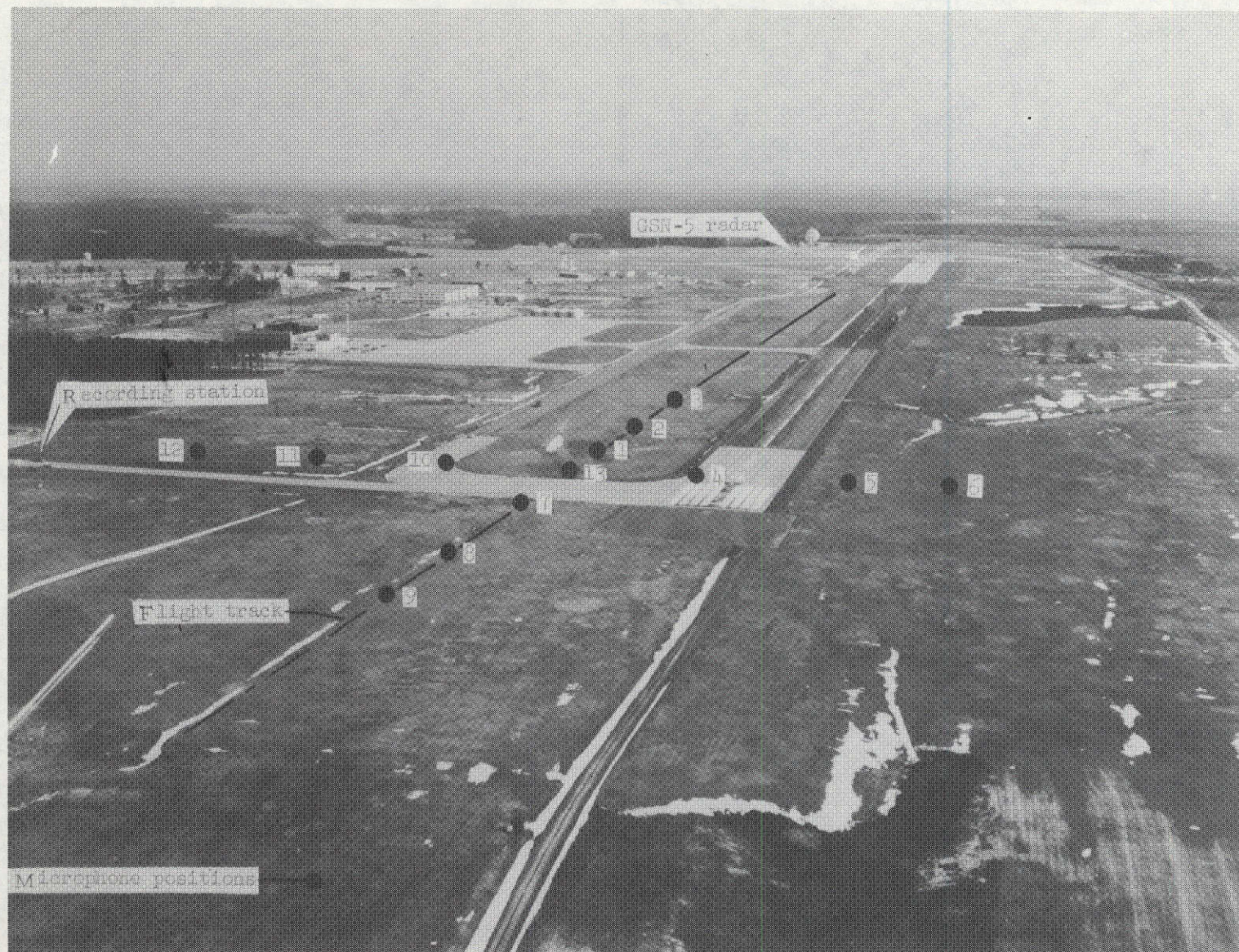
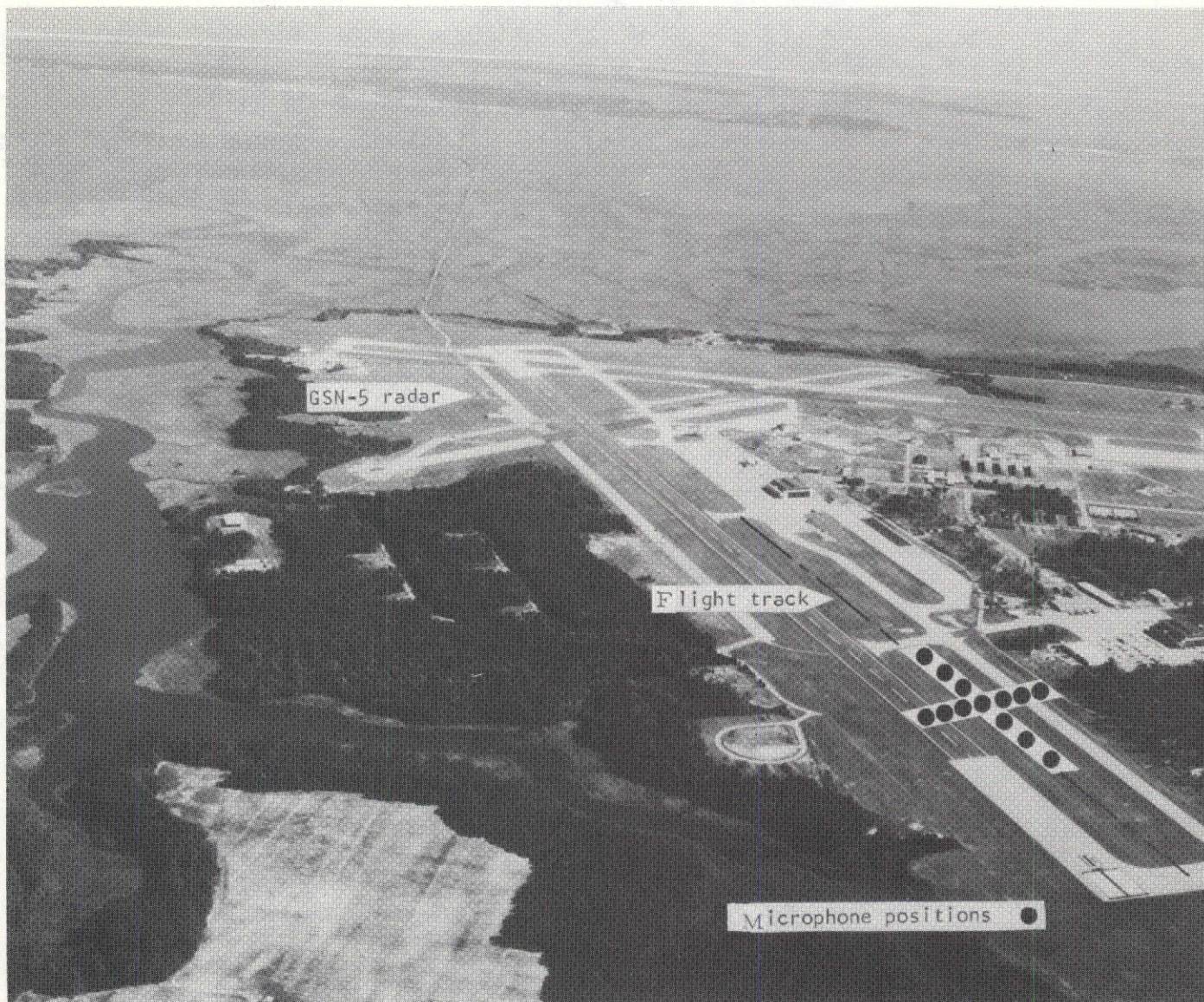


Figure 6.- Aerial photograph showing terrain, flight path, and microphone array looking north from end of runway 4-22.

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Figure 7.- Aerial photograph showing location of microphone array looking east from end of runway 10-28.

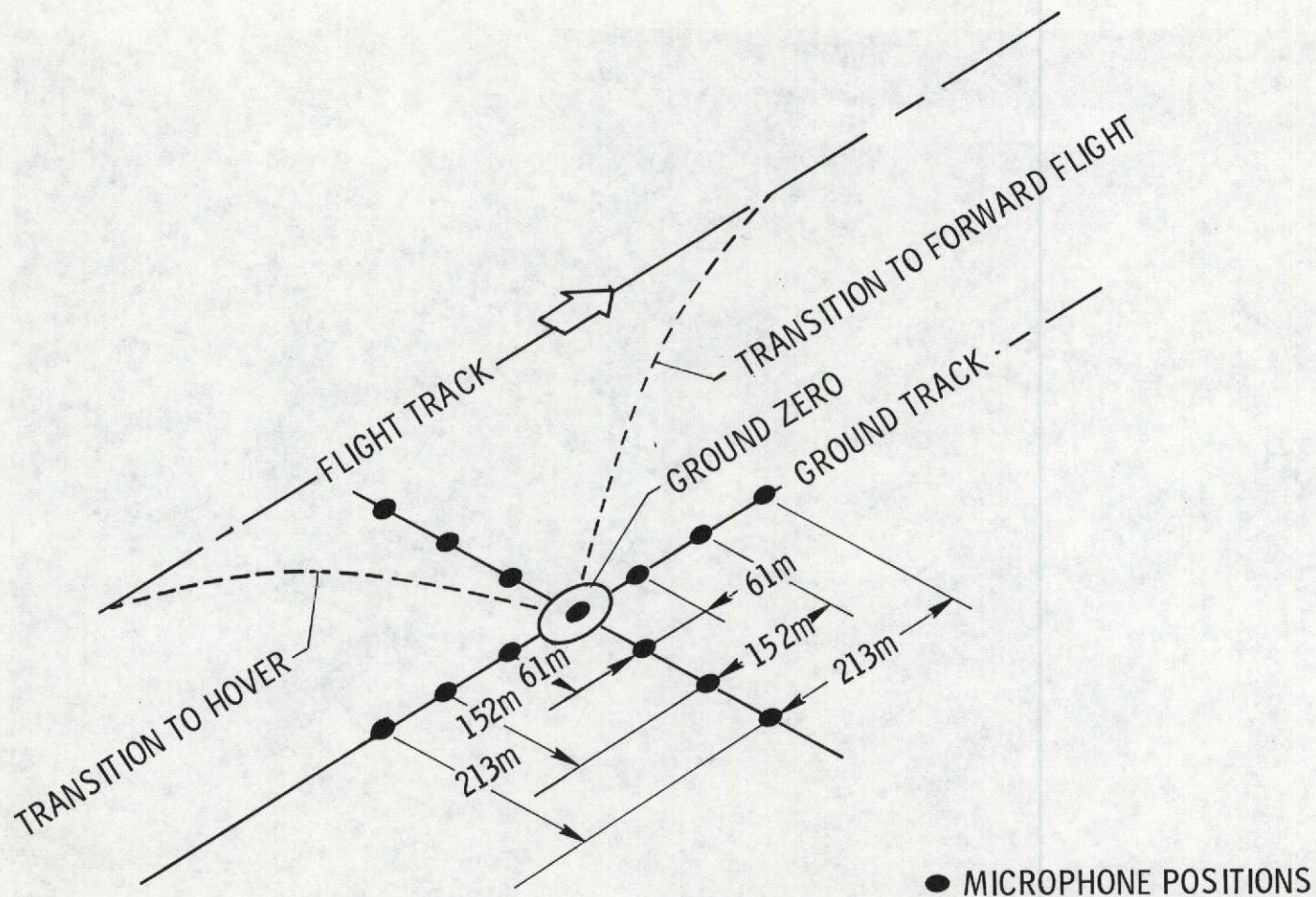


Figure 8.- Diagram of the microphone array illustrating the microphone position for noise measurement during helicopter hover, landing, take-off, and flyover operations.

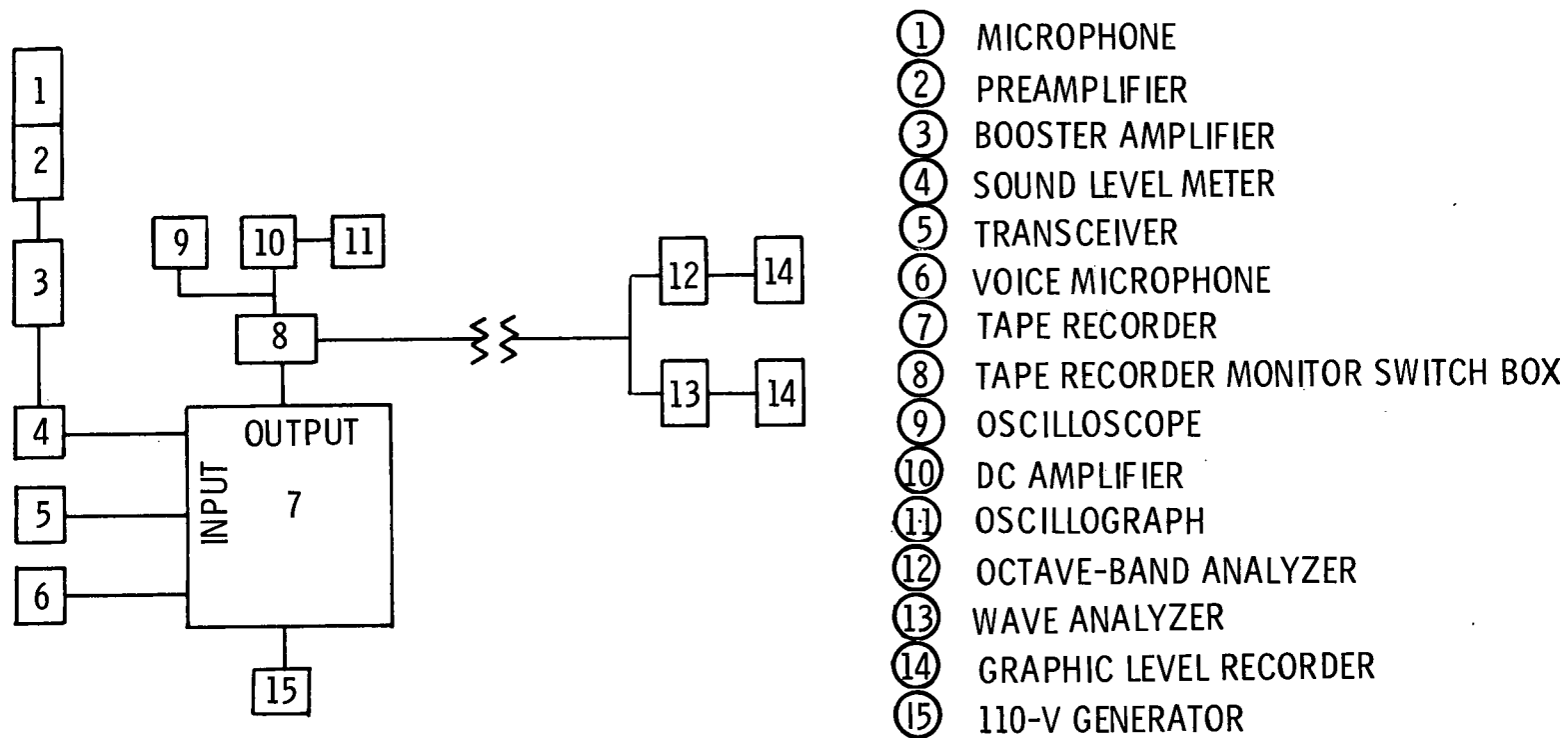


Figure 9.- Block diagram showing typical system layout for noise data acquisition and preliminary reduction.

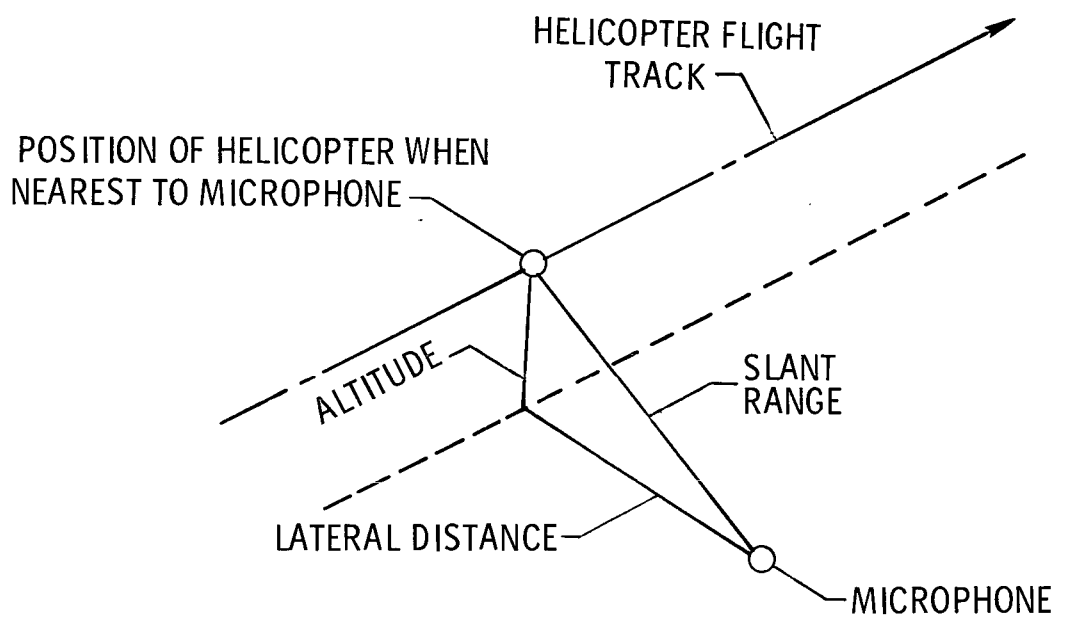


Figure 10.- Geometric relationship between microphone and helicopter.

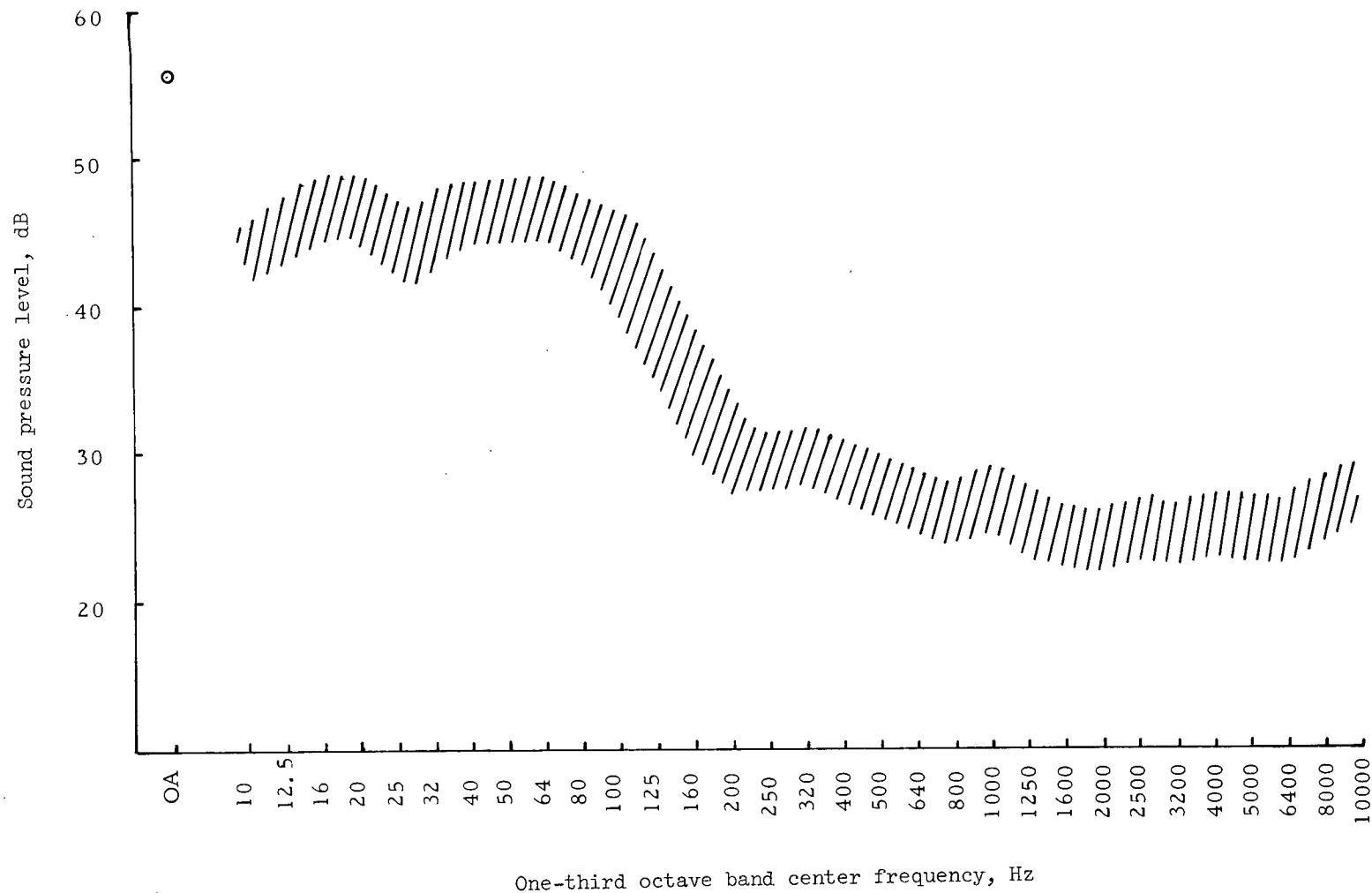


Figure 11.- One-third octave band analysis of ambient noise levels existing in test area.

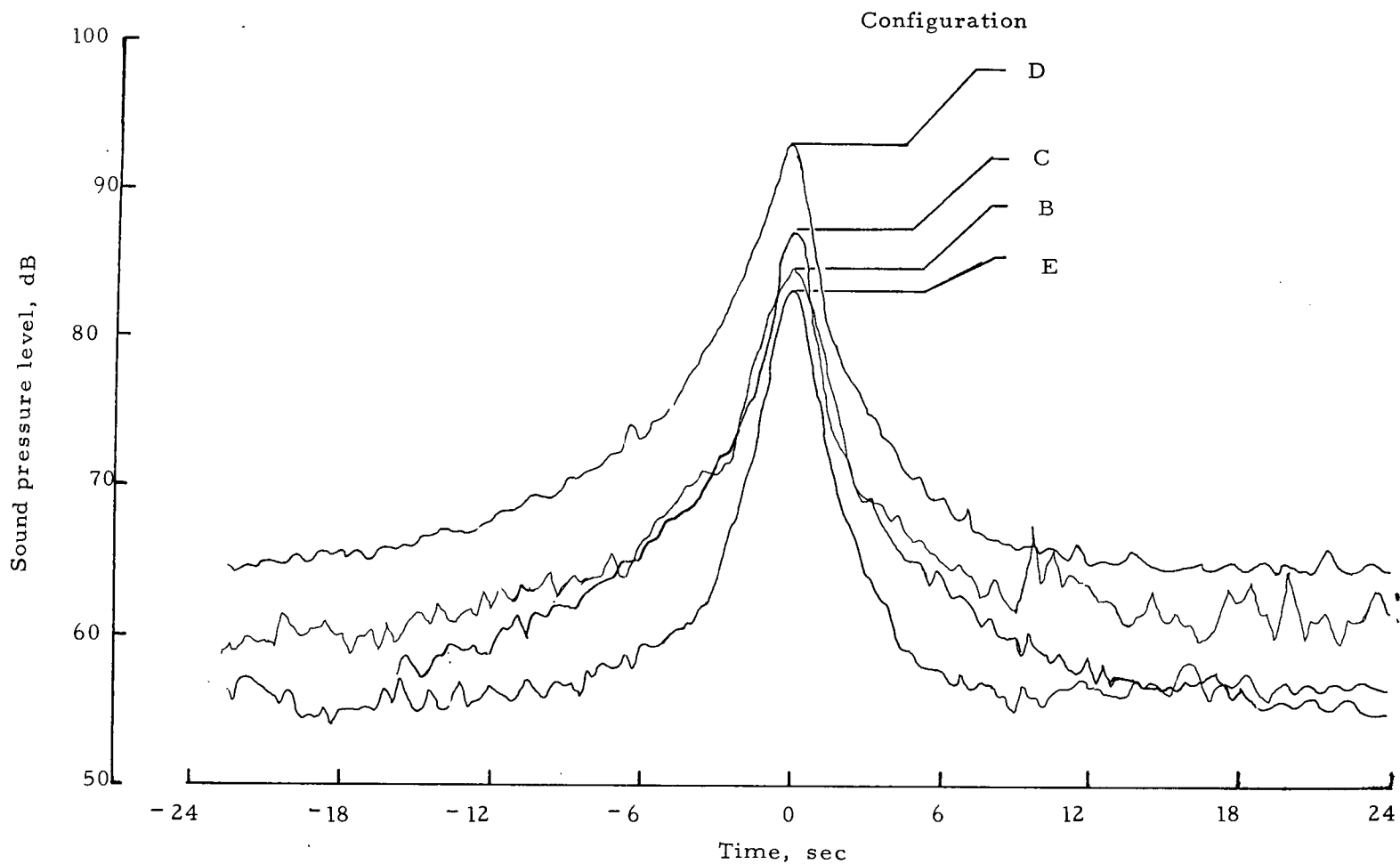
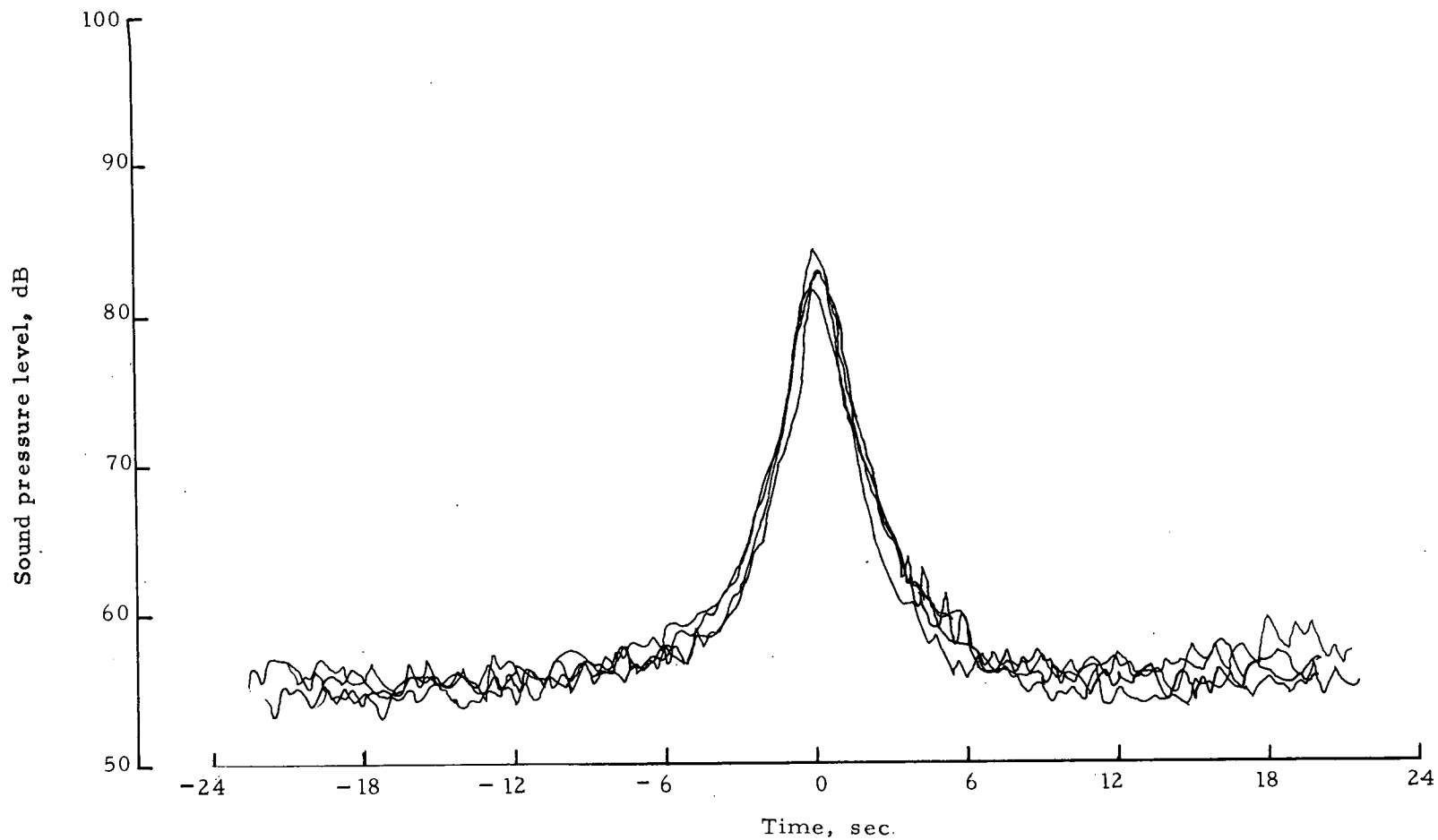
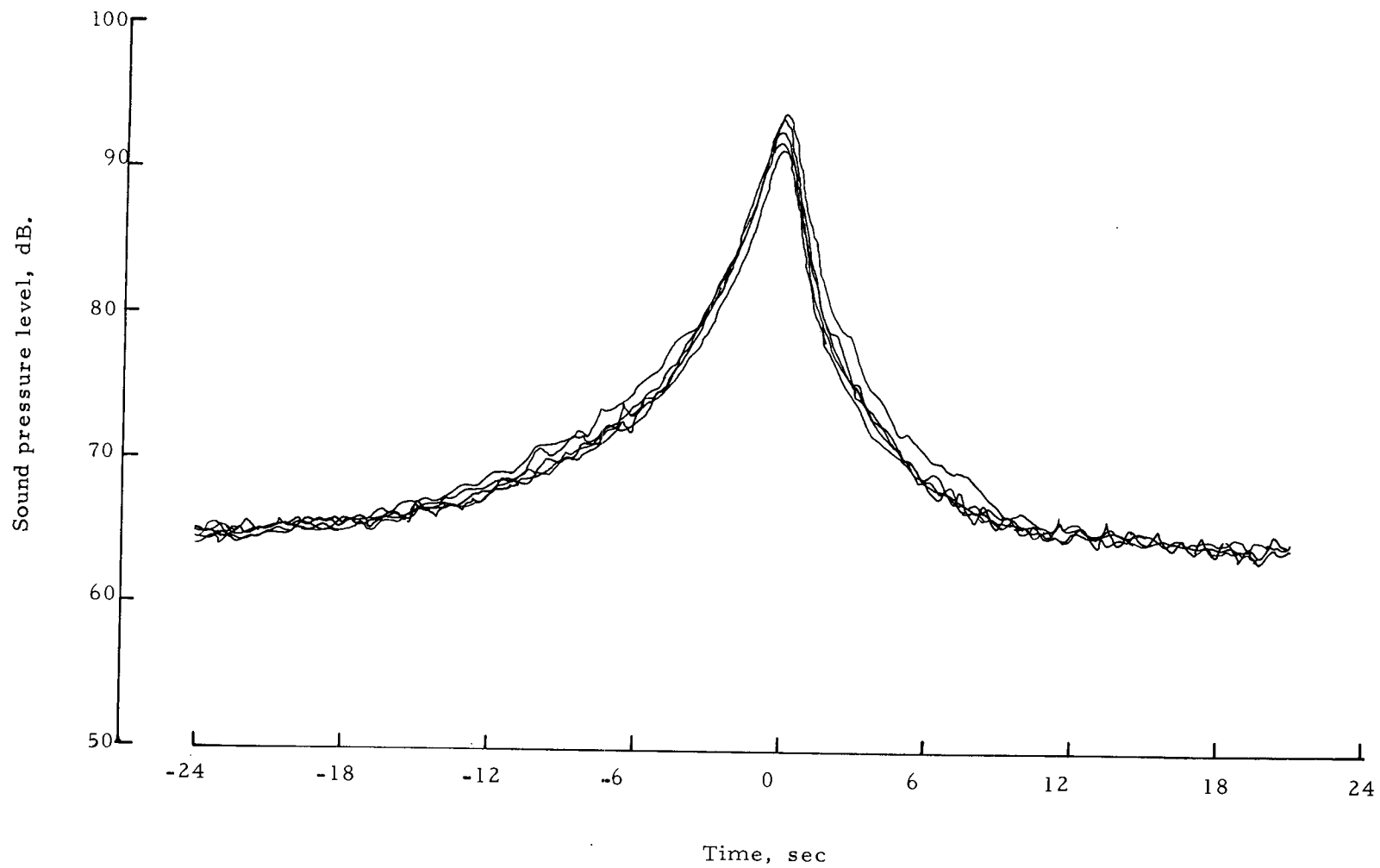


Figure 12.- Sample time histories of the overall sound pressure levels as obtained on track during flyover tests at 40 knots and at an altitude of 30 meters of the OH-6A helicopter.



(a) Configuration E.

Figure 13.- Sample time histories of sound pressure levels obtained on track during test at 40 knots and at an altitude of 30 meters of the OH-6A helicopter.



(b) Configuration D.

Figure 13.- Concluded.

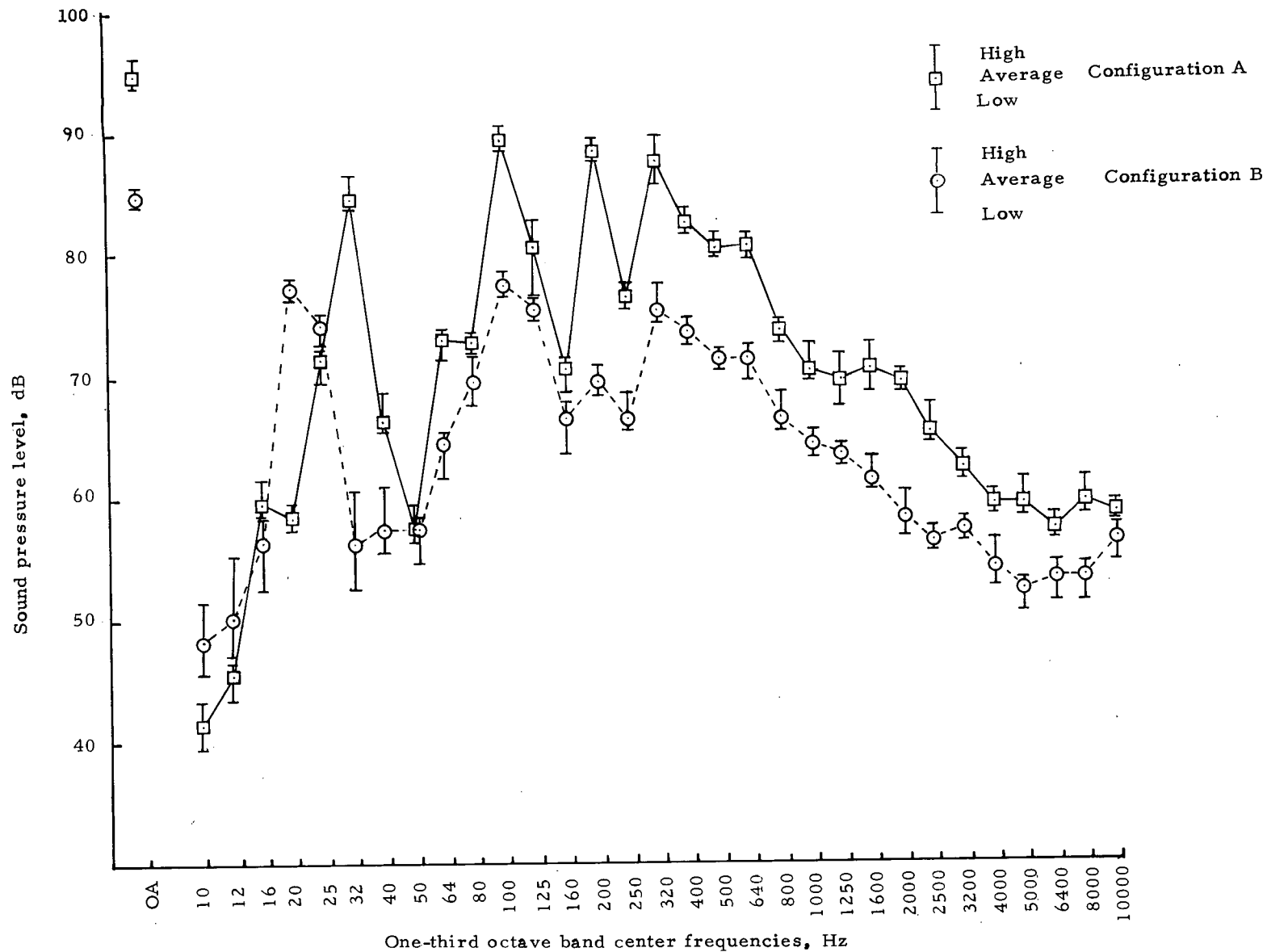


Figure 14.- Measured on-track flyover noise spectra obtained on the OH-6A helicopter at an airspeed of 40 knots and at an altitude of 30 meters.

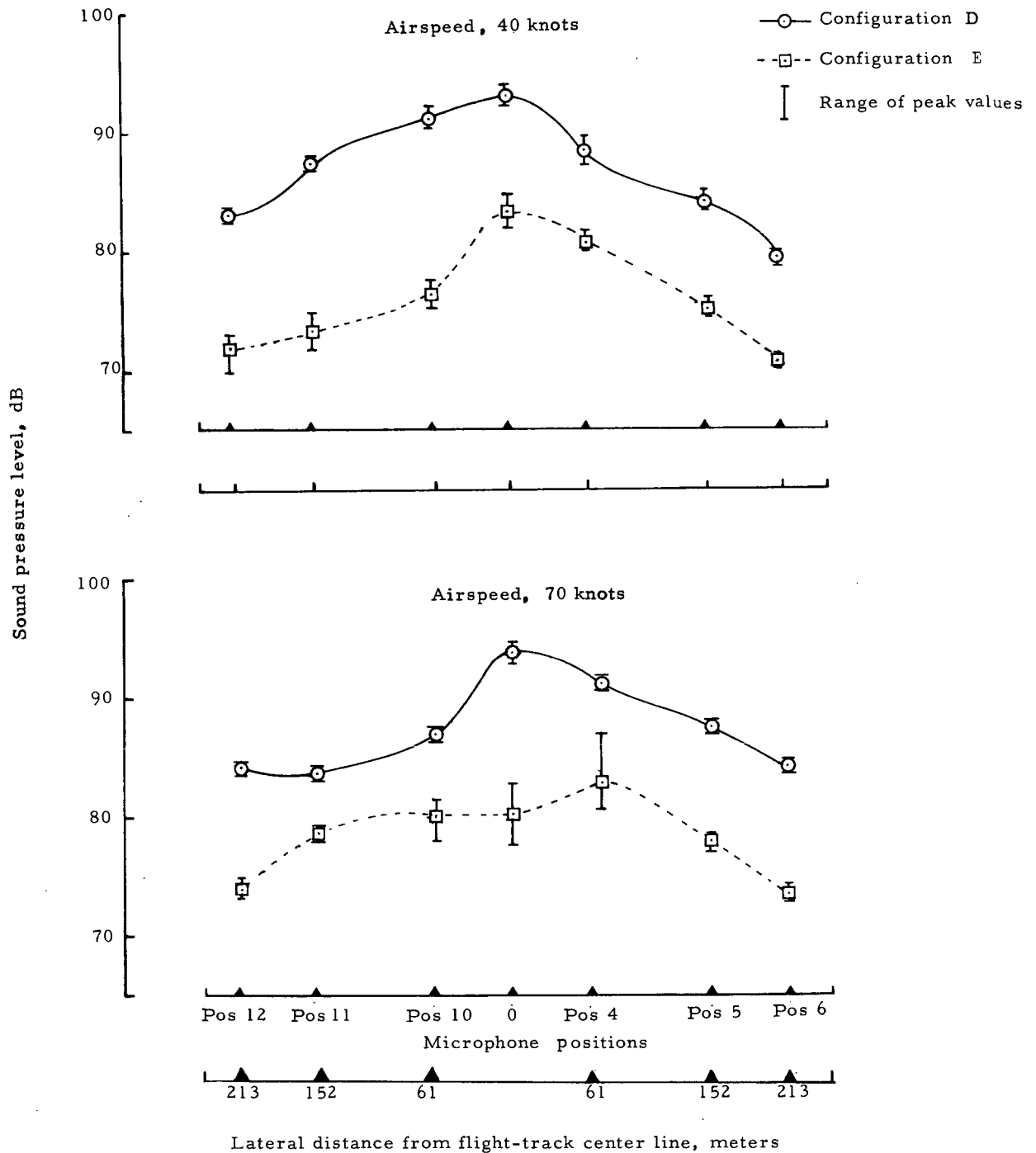


Figure 15.- Peak noise levels as measured at various lateral distances from flight track during level flight of the OH-6A helicopter at 40 and 70 knots and at an altitude of 30 meters.

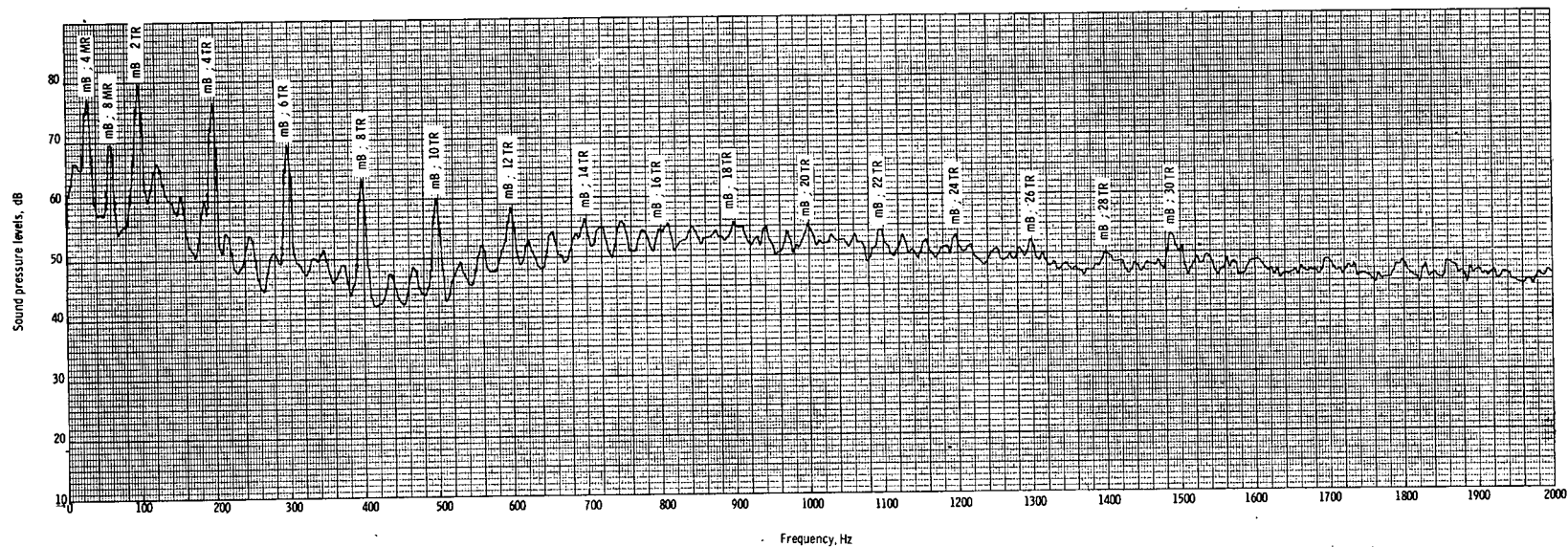


Figure 16.- Narrow-band (4 Hz) spectra of noise from the standard OH-6A helicopter (configuration D), hovering at 100% rotor speed, 726 kg gross weight, at a skid height of 1.8 meters. Data were measured 61 meters directly in front of the helicopter. (m is the order of the harmonic; B, the number of blades; MR, main rotor; TR, tail rotor.)

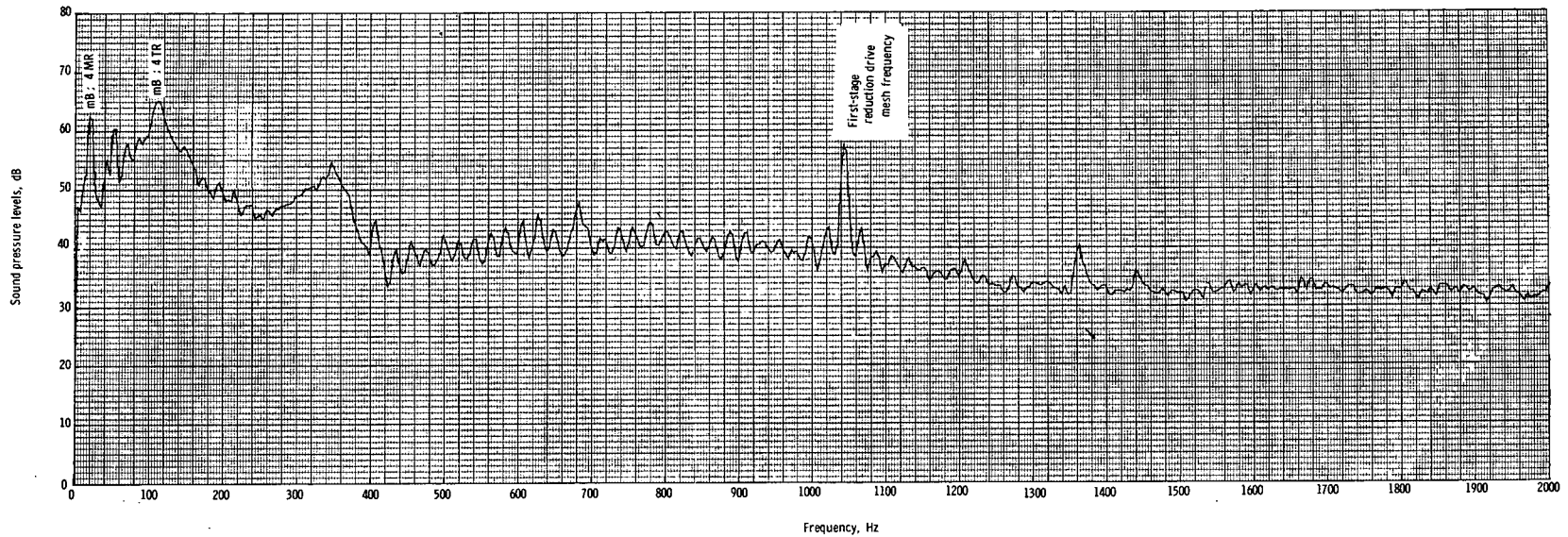


Figure 17.- Narrow-band (4 Hz) spectra of noise from the two blade tail rotor OH-6A helicopter (configuration C), hovering at 70% rotor speed, 658 kg gross weight, at a skid height of 1.8 meters. Data were measured 61 meters directly in front of the helicopter. (m is the order of the harmonic; B, the number of blades; MR, main rotor; TR, tail rotor.)

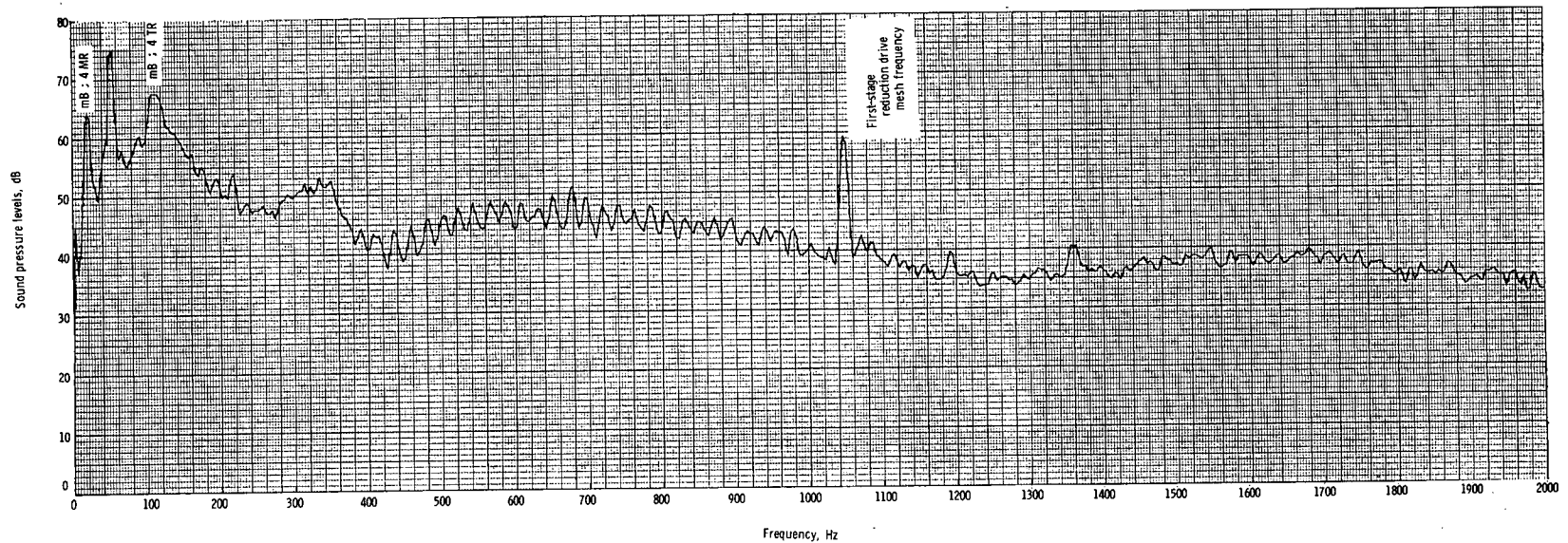


Figure 18.- Narrow-band (4 Hz) spectra of noise from the four-blade tail rotor OH-6A helicopter (configuration B), hovering at 70% rotor speed, 658 kg gross weight, at a skid height of 1.8 meters. Data were measured 61 meters directly in front of the helicopter. (m is the order of the harmonic; B, the number of blades; MR, main rotor; TR, tail rotor.)

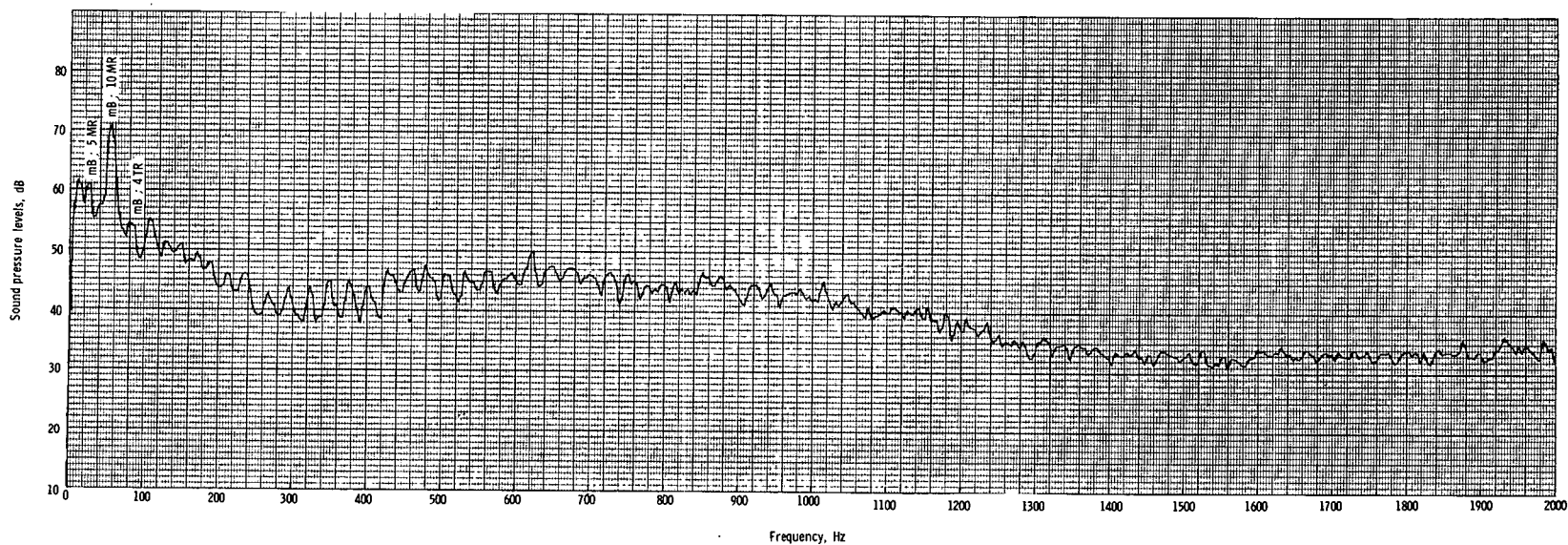


Figure 19.- Narrow-band (4 Hz) spectra of noise from the final modified OH-6A helicopter (configuration E), hovering at 67% rotor speed, 726 kg gross weight, at a skid height of 1.8 meters. Data were measured at 61 meters directly in front of the helicopter. (m is the order of the harmonic; B, the number of blades; MR, main rotor; TR, tail rotor.)

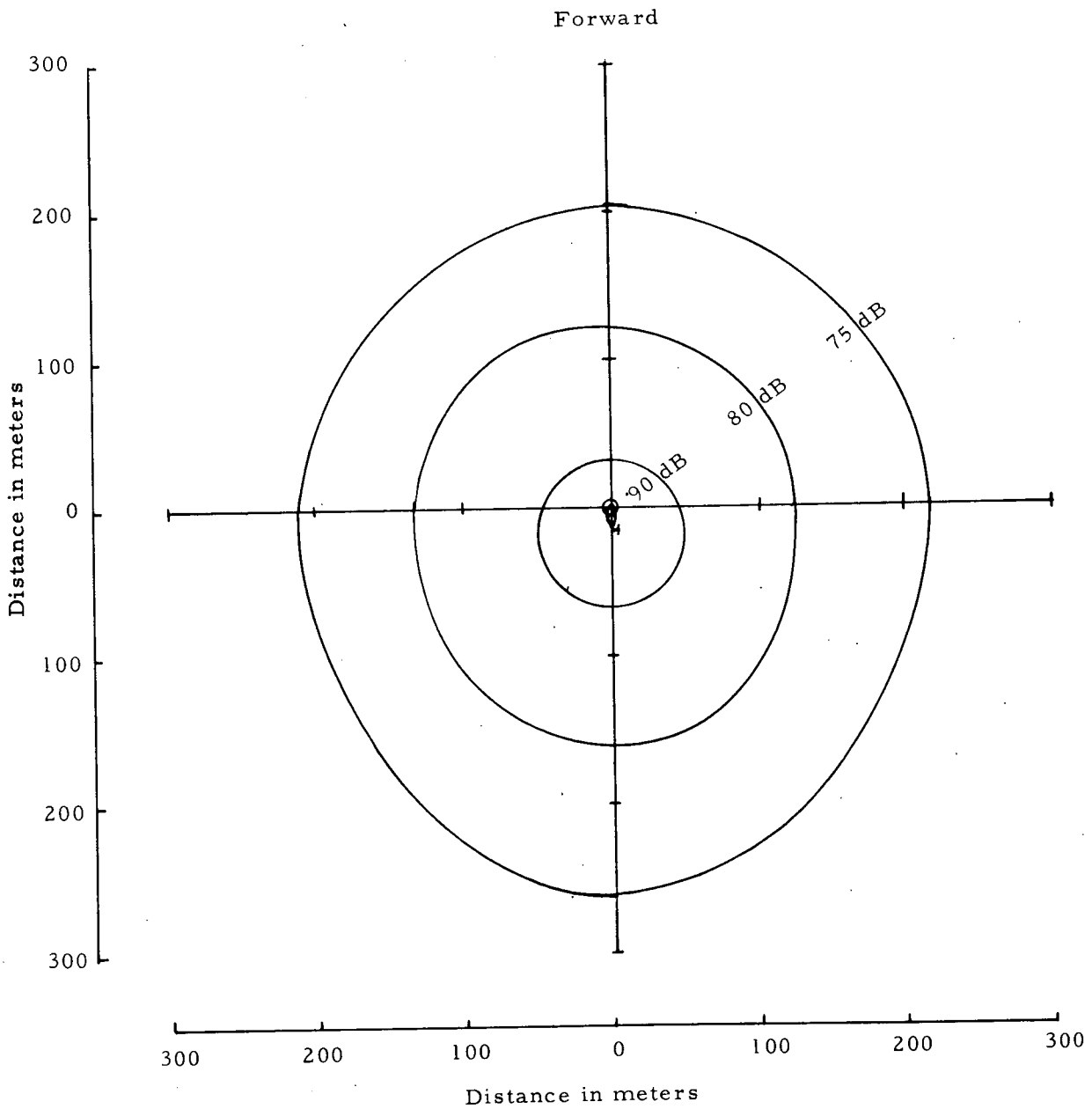


Figure 20.- Contours of overall noise levels from the standard helicopter (configuration A) hovering at an altitude of 15 meters.

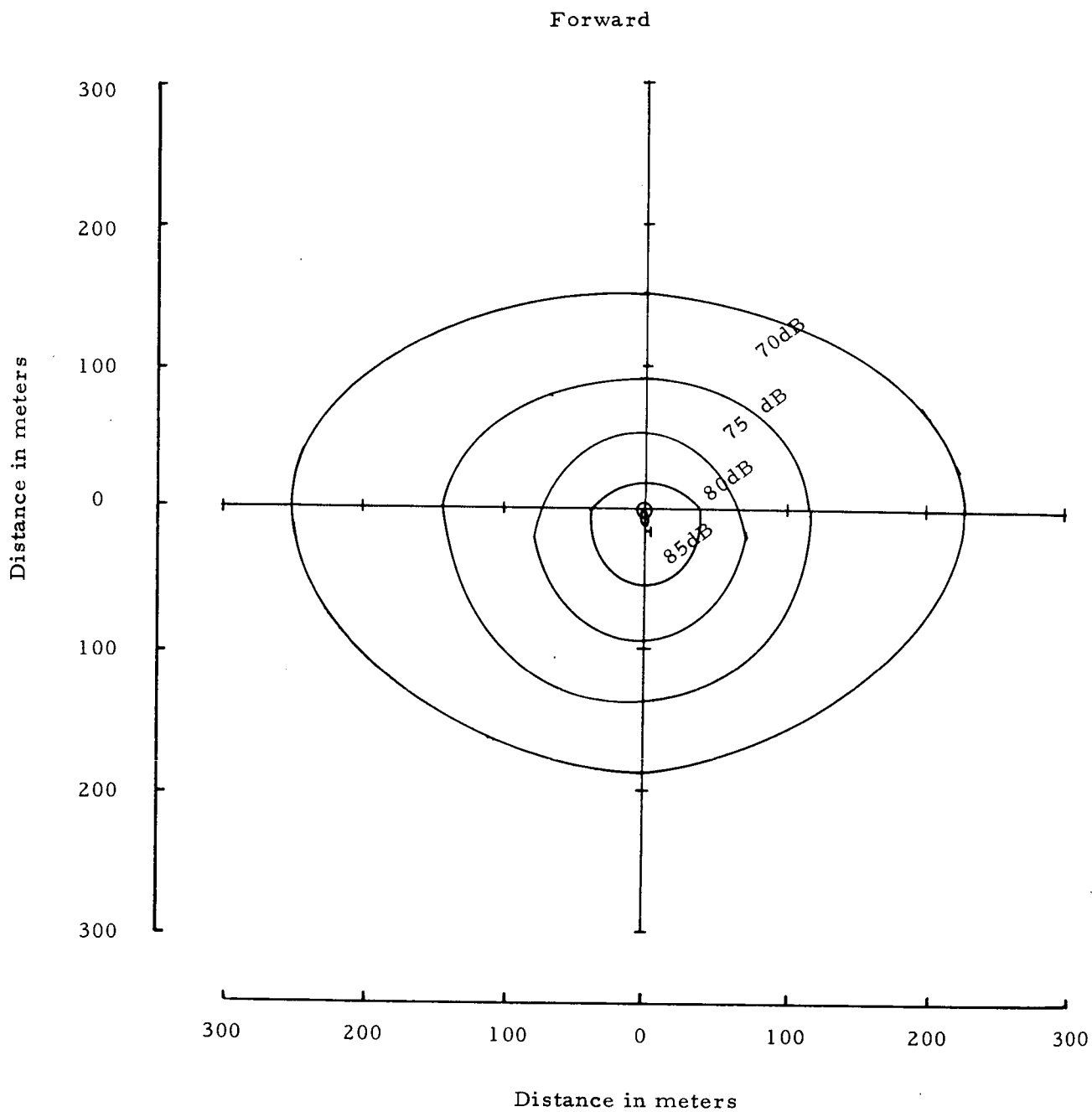


Figure 21.- Contours of overall noise levels from the modified helicopter (configuration B) hovering at an altitude of 15 meters.

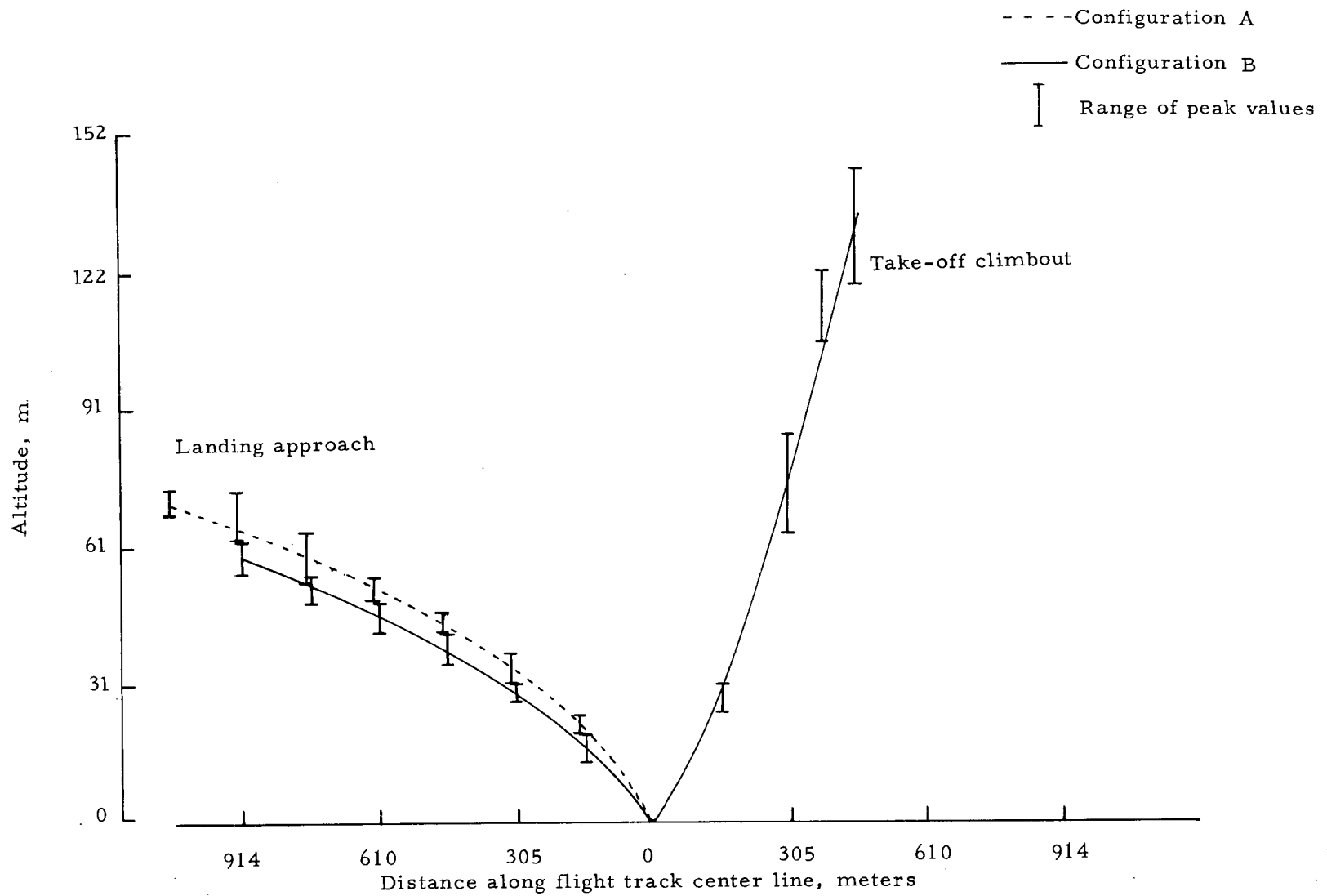


Figure 22.- Altitude-distance profile for landing approach and for take-off and climbout of the OH-6A helicopter.

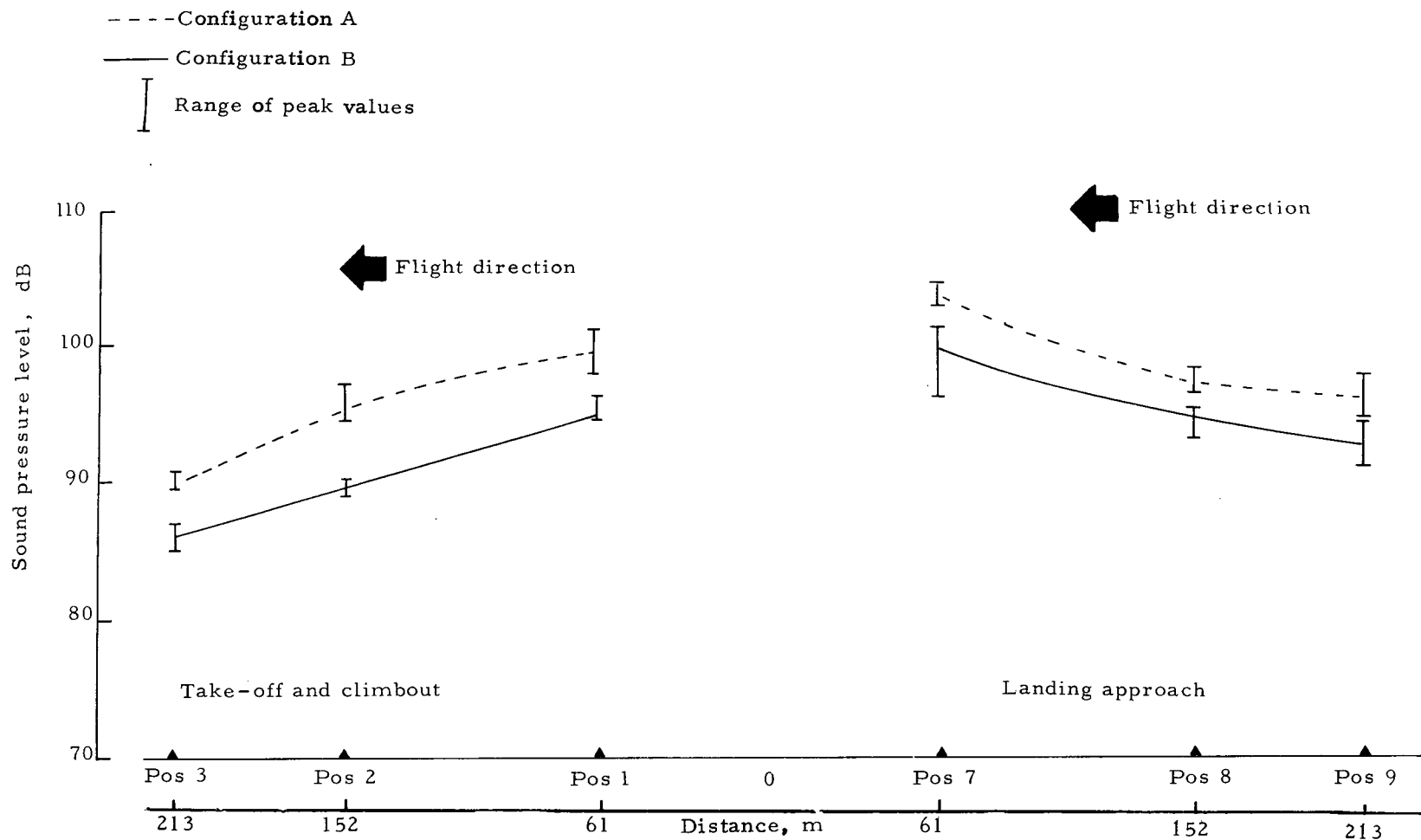


Figure 23.- Noise levels as measured along the ground track for the OH-6A helicopter during landing and take-off operations.